2nd & Final

005-20-000098

Name of Work: Improvements to Roads and Drains at Bhagath Enclave, Kalidasa layout, Chamundeshwari nagara, Babanagar, Srirampura, MCECHS Layout, Palanahalli and Surrounding areas in Ward No.05

B.B. Umesha

EMB

"SECOND AND FINAL BILL"

Name of Work: Improvements to Roads and Drains at Bhagath Enclave, Kalidasa layout, Chamundeshwari nagara, Babanagar, Srirampura, MCECHS Layout, Palanahalli and Surrounding areas in Ward No.05

PRE-MEASUREMENT SHEETS

"SECOND AND FINAL BILL"

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to Roads and Drains at Bhagath Enclave, Kalidasa layout, Chamundeshwari nagara, Babanagar, Srirampura, MCECHS Layout, Palanahalli and Surrounding areas in Ward No.05

Measurement Sheet

Second and Final Bill

Item No:	1
Item Name:	Removing and Refixing stone slabs of drains and pointing in C.M(1:3) with all lead and lift and as per the directioon of Engineer in -charge
Premeasurement recorded on:	

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	Durgambha layout 2nd main road(RHS)									
	99.00	116.90	1	17.90	1.65				29.54	
	Durgambha layout 2nd main road(LHS)									
	90.70	108.40	1	17.70	1.65				29.21	
	Durgambha layout 1st main 1st road(RHS)									
	0.00	30.00	1	30.00	1.65				49.50	
	Durgambha layout 1st main 1st road(LHS)									
	13.00	25.40	1	12.40	1.65				20.46	
	Durgambha layout 1st main road(RHS)									
	175.50	184.80	1	9.30	1.65				15.35	
	193.80	210.80	1	17.00	1.65				28.05	
	Durgambha layout 1st main road(LHS)									
	0.00	21.40	1	21.40	1.65				35.31	
								Total Qty Work Done	**207.41**	**Sqm**
								Qty Payable in this bill	**207.41**	**Sqm**
								Qty Paid in 1st Bill	**1932.81**	**Sqm**
								Total Qty	**2140.22**	**Sqm**
								Qty Payable in 2nd Bill	**207.41**	**Sqm**

Contractor Representative

Consultant Representative

NWZEN CONSULTANT Bangalore

Asst Engineer 12/1/24

Asst.Executive Engineer 12/1/24

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ವ್ಯಾಪಾರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬ.ಬ.ಮಾ.ಪ, ಬೆಂಗಳೂರು-24

01

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to Roads and Drains at Bhagath Enclave, Kalidasa layout, Chamundeshwari nagara, Babanagar, Srirampura, MCECHS Layout, Palanahalli and Surrounding areas in Ward No.05

Measurement Sheet

Second and Final Part Bill

Item No: 2

Item Name: KSRRB300 - Excavation for road, drains and similar works ,KSRRB300-1 : Earthwork excavation by manual means in ordinary soil involving as average horizontal throw upto 2 mters and an average lifts upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications with all lead and lift and as per the direction of Engineer in-charge.

Premeasurement recorded on:

SLNO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	Durgambha layout 3rd main road(RHS)									
	0.00	30.00	1	30.00	1.10	1.10	1.10	1.00	33.00	
	30.00	39.20	1	9.20	1.10	1.10	1.10	1.00	10.12	
	39.20	45.50	1	6.30	1.10	1.10	1.10	1.00	6.93	
	45.50	72.10	1	26.60	1.10	1.10	1.10	1.00	29.26	
	Durgambha layout 3rd main road(LHS)									
	0.00	29.00	1	29.00	1.10	1.10	1.10	1.00	31.90	
	29.00	37.20	1	8.20						CULVERT
	37.20	63.20	1	26.00	0.50	0.50	0.50	0.50	6.50	
	Durgambha layout 2nd main road(RHS)									
	0.00	26.00	1	26.00	0.50	0.50	0.50	0.45	5.85	
	26.00	53.00	1	27.00	0.50	0.50	0.50	0.45	6.08	
	53.00	62.40	1	9.40	0.50	0.50	0.50	0.45	2.12	
	62.40	92.40	1	30.00	0.50	0.50	0.50	0.50	7.50	
	92.40	99.00	1	6.60	0.50	0.50	0.50	0.45	1.49	
	99.00	116.90	1	17.90	0.50	0.50	0.50	0.40	3.58	
	116.90	125.90	1	9.00	0.50	0.50	0.50	0.50	2.25	
	125.90	133.30	1	7.40	0.50	0.50	0.50	0.45	1.67	
	Durgambha layout 2nd main road(LHS)									
	0.00	30.00	1	30.00	0.50	0.50	0.50	0.45	6.75	
	30.00	36.00	1	6.00	0.50	0.50	0.50	0.40	1.20	
	36.00	45.00	1	9.00	0.50	0.50	0.50	0.45	2.03	
	45.00	75.00	1	30.00	0.50	0.50	0.50	0.45	6.75	
	75.00	82.10	1	7.10	0.50	0.50	0.50	0.45	1.60	
	82.10	90.70	1	8.60	0.50	0.50	0.50	0.50	2.15	
	90.70	108.40	1	17.70	0.50	0.50	0.50	0.45	3.98	
	108.40	117.70	1	9.30	0.50	0.50	0.50	0.45	2.09	174.78

CbFC 22/11/2024

22/11/24

02

SLNO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	Durgambha layout 1st main 1st road(RHS)									
	0.00	30.00	1	30.00	0.50	0.50	0.50	0.50	7.50	
	30.00	33.90	1	3.90	0.50	0.50	0.50	0.45	0.88	
	Durgambha layout 1st main 1st road(LHS)									
	0.00	13.00	1	13.00	0.50	0.50	0.50	0.45	2.93	
	13.00	25.40	1	12.40	0.50	0.50	0.50	0.45	2.79	
	Durgambha layout 1st main road(RHS)									
	0.00	30.00	1	30.00	0.50	0.50	0.50	0.45	6.75	
	30.00	56.60	1	26.60	0.50	0.50	0.50	0.45	5.99	
	56.60	66.00	1	9.40	0.50	0.50	0.50	0.45	2.12	
	66.00	93.00	1	27.00	0.50	0.50	0.50	0.50	6.75	
	93.00	123.00	1	30.00	0.50	0.50	0.50	0.45	6.75	
	123.00	153.00	1	30.00						NO WORK
	153.00	175.50	1	22.50						NO WORK
	175.50	184.80	1	9.30	0.50	0.50	0.50	0.45	2.09	
	184.80	193.80	1	9.00						NO WORK
	193.80	210.80	1	17.00	0.50	0.50	0.50	0.50	4.25	
	Durgambha layout 1st main road(LHS)									
	0.00	21.40	1	21.40	0.50	0.50	0.50	0.45	4.82	
	21.40	46.00	1	24.60	0.50	0.50	0.50	0.40	4.92	
	46.00	54.30	1	8.30	0.50	0.50	0.50	0.45	1.87	
	54.30	72.10	1	17.80	0.50	0.50	0.50	0.40	3.56	
	72.10	90.50	1	18.40	0.50	0.50	0.50	0.45	4.14	
	90.50	109.10	1	18.60						NO WORK
	109.10	137.10	1	28.00						NO WORK
	137.10	167.10	1	30.00	0.50	0.50	0.50	0.45	6.75	
	167.10	174.10	1	7.00						NO WORK
	174.10	204.10	1	30.00	0.50	0.50	0.50	0.45	6.75	
	204.10	217.64	1	13.54	0.50	0.50	0.50	0.45	3.05	
	Kattigenahalli 2nd main link road									
	0.00	30.00	1	30.00	1.10	1.10	1.10	1.00	33.00	
	30.00	60.00	1	30.00	1.10	1.10	1.10	1.00	33.00	
	60.00	90.00	1	30.00	1.10	1.10	1.10	1.00	33.00	
	90.00	92.00	1	2.00	1.10	1.10	1.10	1.00	2.20	
	Palnhalli 25th cross road									
	0.00	14.30	1	14.30	1.10	1.10	1.10	1.00	15.73	
	14.30	20.30	1	6.00						
	20.30	38.30	1	18.00	1.10	1.10	1.10	1.00	19.80	
	Reva College Connecting Drain									
	0.00	20.00	1	20.00	1.50	1.50	1.50	1.50	45.00	
	For ssm culvert									
	Durgambha layout 3rd main road(LHS)									
	29.00	37.20	1	8.20	1.80	1.80	1.80	0.90	13.28	

279.65

SLNO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	Chamundeshwari layout 1st cross									
	0.00	11.00	1	7.70	1.80	1.80	1.80	0.90	12.47	
	NEW RCC CULVERT									
	Palnhalli 25th cross road									
	14.30	20.30	1	6.00	1.35	1.35	1.35	1.10	8.91	
	Reva college circle									
	0.00	18.50	1	18.50	1.80	1.80	1.80	2.00	66.60	87.98
								Total Qty Work Done	**542.41**	**Cum**
								Qty Payable in this bill	**542.41**	**Cum**
								Qty Paid in 1st Bill	**3789.31**	**Cum**
								Total Qty	**4331.72**	**Cum**
								Qty Payable in 2nd Bill	**542.41**	**Cum**

Contractor Representative

24/11/24

Asst.Engineer

NEWZEN CONSULTANT Bangalore

Consultant Representative

24/11/2024

Asst.Executive Engineer

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ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-26

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to Roads and Drains at Bhagath Enclave, Kalidasa layout, Chamundeshwari nagara, Babanagar, Srirampura, MCECHS Layout, Palanahalli and Surrounding areas in Ward No.05

Second and Final Bill

Item No:	3
Item Name:	Providing granite slabs of selected quality roughly dressed having a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing etc., complete with all lead and lift and as per the direction of Engineer in-charge.

Premeasurement recorded on:

SLNO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	Durgambha layout 2nd main road(RHS)									
	53.00	62.40	1	9.40	1.65				15.51	
	Durgambha layout 2nd main road(LHS)									
	30.00	36.00	1	6.00	1.65				9.90	
	Durgambha layout 1st main 1st road(RHS)									
	30.00	33.90	1	3.90	1.65				6.44	
	Durgambha layout 1st main 1st road(LHS)									
	0.00	13.00	1	13.00	1.65				21.45	
	Durgambha layout 1st main road(RHS)									
	30.00	56.60	1	26.60	1.65				43.89	
	Durgambha layout 1st main road(LHS)									
	204.10	217.64	1	13.54	1.65				22.34	
								Total Qty Work Done	**119.53**	**Sqm**
								Qty Payable in this bill	**119.53**	**Sqm**
								Qty Paid in 1st Bill	**2403.89**	**Sqm**
								Total Qty	**2523.41**	**Sqm**
								Qty Payable in 2nd Bill	**119.53**	**Sqm**

Contractor Representative

Consultant Representative

NEWZEN CONSULTANT Bangalore

Asst Engineer

Asst.Executive Engineer

05

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to Roads and Drains at Bhagath Enclave, Kalidasa layout, Chamundeshwari nagara, Babanagar, Srirampura, MCECHS Layout, Palanahalli and Surrounding areas in Ward No.05

Measurement Sheet

Second and Final Bill

Item No: 4

Item Name: KSRB M2100-10 : Providing and laying plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89 cum and fine aggregtes @ 0.46cum, in foundation machanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labours, HOM curing, from works, scffolding and centering complete as per specifications.

Premeasurement recorded on:

SLNO	CHAINAGE		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	Durgambha layout 3rd main road(RHS)									
	0.00	30.00	1	30.00	1.10	1.10	1.10	0.15	4.95	
	30.00	39.20	1	9.20	1.10	1.10	1.10	0.15	1.52	
	39.20	45.50	1	6.30	1.10	1.10	1.10	0.15	1.04	
	45.50	72.10	1	26.60	1.10	1.10	1.10	0.15	4.39	
	Durgambha layout 3rd main road(LHS)									
	0.00	29.00	1	29.00	1.10	1.10	1.10	0.15	4.79	
	Kattigenahalli 2nd main link road									
	0.00	30.00	1	30.00	1.10	1.10	1.10	0.15	4.95	
	30.00	60.00	1	30.00	1.10	1.10	1.10	0.15	4.95	
	60.00	90.00	1	30.00	1.10	1.10	1.10	0.15	4.95	
	90.00	92.00	1	2.00	1.10	1.10	1.10	0.15	0.33	
	Babanagar 1st cross road								0.00	
	0.00	30.00	1	30.00	4.50	4.00	4.25	0.15	19.13	
	30.00	60.00	1	30.00	4.00	4.00	4.00	0.15	18.00	
	60.00	90.00	1	30.00	4.00	4.00	4.00	0.15	18.00	
	90.00	120.00	1	30.00	4.00	4.00	4.00	0.15	18.00	
	120.00	150.00	1	30.00	4.00	4.00	4.00	0.15	18.00	
	150.00	164.90	1	14.90	4.00	4.49	4.25	0.15	9.49	
	Palnhalli cross road									
	0.00	14.30	1	14.30	1.10	1.10	1.10	0.15	2.36	
	14.30	20.30	1	6.00						culvert
	20.30	38.30	1	18.00	1.10	1.10	1.10	0.15	2.97	
	Reva College Connecting Drain									
	0.00	20.00	1	20.00	1.50	1.50	1.50	0.15	4.50	
	For ssm culvert									
	Kattigenahalli 2nd main connected 3rd main road									
	0.00	6.90	1	6.90	1.80	1.80	1.80	0.15	1.86	
	Durgambha layout 3rd main road(LHS)									
	29.00	37.20	1	8.20	1.80	1.80	1.80	0.15	2.21	
	Kattigenahalli 3rd main road									
	0.00	11.00	1	11.00	1.80	1.80	1.80	0.15	2.97	
	Chamundeshwari layout 1st cross									
	0.00	7.70	1	7.70	1.80	1.80	1.80	0.15	2.08	
	NEW RCC CULVERT									

SLNO	CHAINAGE		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	Palnhalli 25th cross road									
	14.30	20.30	1	6.00	1.35	1.35	1.35	0.15	1.22	
	Reva college circle									
	0.00	18.50	1	18.50	1.80	1.80	1.80	0.15	5.00	
	Bed protection									
	Durgambha layout 2nd to 3rd main road drain									
	0.00	30.00	1	30.00	0.60	0.60	0.60	0.15	2.70	
	30.00	36.00	1	6.00	0.60	0.60	0.60	0.15	0.54	
	36.00	45.00	1	9.00	0.60	0.60	0.60	0.15	0.81	
	45.00	75.00	1	30.00	0.60	0.60	0.60	0.15	2.70	
	Srinagar LHS (cross road)									
	0.00	20.00	1	20.00	0.60	0.60	0.60	0.15	1.80	
	20.00	22.80	1	2.80	0.60	0.60	0.60	0.15	0.25	
	22.80	30.20	1	7.40	0.60	0.60	0.60	0.15	0.67	
	30.20	39.40	1	9.20						cross
	39.40	51.60	1	12.20	0.60	0.60	0.60	0.15	1.10	
	51.60	63.90	1	12.30	0.60	0.60	0.60	0.15	1.11	
	Srinagar RHS (cross road)									
	0.00	30.00	1	30.00	0.60	0.60	0.60	0.15	2.70	
	30.00	45.00	1	15.00	0.60	0.60	0.60	0.15	1.35	
	Attukul Layout Cross road 1 RHS									
	0.00	9.50	1	9.50	0.60	0.60	0.60	0.15	0.86	
	9.50	28.50	1	19.00	0.60	0.60	0.60	0.15	1.71	
	28.50	37.50	1	9.00	0.60	0.60	0.60	0.15	0.81	
	37.50	46.90	1	9.40	0.60	0.60	0.60	0.15	0.85	
	46.90	76.90	1	30.00	0.60	0.60	0.60	0.15	2.70	
	Attukul Layout Cross road 1 LHS									
	0.00	17.00	1	17.00	0.60	0.60	0.60	0.15	1.53	
	17.00	26.00	1	9.00	0.60	0.60	0.60	0.15	0.81	
	26.00	43.50	1	17.50	0.60	0.60	0.60	0.15	1.58	
	43.50	73.50	1	30.00	0.60	0.60	0.60	0.15	2.70	
	Chamudeshwari layout 3rd main									
	0.00	30.00	1	30.00	5.60	5.00	5.30	0.15	23.85	
	30.00	60.00	1	30.00	5.00	4.40	4.70	0.15	21.15	
	60.00	90.00	1	30.00	4.40	4.50	4.45	0.15	20.03	
	90.00	110.00	1	20.00	4.50	4.50	4.50	0.15	13.50	
	110.00	140.00	1	30.00	4.50	4.50	4.50	0.15	20.25	
	140.00	168.50	1	28.50	4.50	5.00	4.75	0.15	20.31	
	168.50	180.90	1	12.40	5.00	5.20	5.10	0.15	9.49	
								Total Qty Work Done	**315.47**	**Cum**
								Qty Payable in this bill	**315.47**	**Cum**
								Qty Paid in 1st Bill	**384.51**	**Cum**
								Total Qty	**699.98**	**Cum**
								Qty Payable in 2nd Bill	**315.47**	**Cum**

Contractor Representative

Asst Engineer

NIWZEN CONSULTANTS Bangalore

Consultant Representative

Asst.Executive Engineer

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ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

RI Mahadevapura Division

Name of Work: Improvements to Roads and Drains at Bhagath Enclave, Kalidasa layout, Chamundeshwari nagara, Babanagar, Srirampura, MCECHS Layout, Palanahalli and Surrounding areas in Ward No.05

Measurement Sheet

Second and Final Bill

Item No: 5

Item Name: Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specifications. Page No.270. Item No.37.59.1

Premeasurement recorded on:

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	Bottom Raft									
	Durgambha layout 3rd main road(RHS)									
	0.00	30.00	1	30.00	0.90	0.90	0.90	0.15	4.05	
	30.00	39.20	1	9.20	0.90	0.90	0.90	0.15	1.24	
	39.20	45.50	1	6.30	0.90	0.90	0.90	0.15	0.85	
	45.50	72.10	1	26.60	0.90	0.90	0.90	0.15	3.59	
	Durgambha layout 3rd main road(LHS)									
	0.00	29.00	1	29.00	0.90	0.90	0.90	0.15	3.92	
	Kattigenahalli 2nd main link road									
	0.00	30.00	1	30.00	0.90	0.90	0.90	0.15	4.05	
	30.00	60.00	1	30.00	0.90	0.90	0.90	0.15	4.05	
	60.00	90.00	1	30.00	0.90	0.90	0.90	0.15	4.05	
	90.00	92.00	1	2.00	0.90	0.90	0.90	0.15	0.27	
	Palnhalli cross road									
	0.00	14.30	1	14.30	0.90	0.90	0.90	0.15	1.93	
	14.30	20.30	1	6.00						culvert
	20.30	38.30	1	18.00	0.90	0.90	0.90	0.15	2.43	
	Reva College Connecting Drain									
	0.00	20.00	1	20.00	1.20	1.20	1.20	0.15	3.60	
	For raft									
	Reva college circle									
	0.00	18.50	1	18.50	1.80	1.80	1.80	0.30	9.99	
	For Top Slab									
	Reva college circle									
	0.00	18.50	1	18.50	2.20	2.20	2.20	0.40	16.28	
	For Ramp									
	Reva college circle									
	0.00	18.50	2	18.50	1.20	1.20	1.20	0.15	6.66	
	Wall Concrete									

66.96.

SLNO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	Wall Concrete									
	Durgambha layout 3rd main road(RHS)									
	0.00	30.00	2	30.00	0.15	0.15	0.15	0.60	5.40	
	30.00	39.20	2	9.20	0.15	0.15	0.15	0.60	1.66	
	39.20	45.50	2	6.30	0.15	0.15	0.15	0.60	1.13	
	45.50	72.10	2	26.60	0.15	0.15	0.15	0.60	4.79	
	Durgambha layout 3rd main road(LHS)									
	0.00	29.00	2	29.00	0.15	0.15	0.15	0.60	5.22	
	Kattigenahalli 2nd main link road									
	0.00	30.00	2	30.00	0.15	0.15	0.15	0.60	5.40	
	30.00	60.00	2	30.00	0.15	0.15	0.15	0.60	5.40	
	60.00	90.00	2	30.00	0.15	0.15	0.15	0.60	5.40	
	90.00	92.00	2	2.00	0.15	0.15	0.15	0.60	0.36	
	Palnhalli cross road									
	0.00	14.30	2	14.30	0.15	0.15	0.15	0.60	2.57	
	14.30	20.30	1	6.00						culvert
	20.30	38.30	2	18.00	0.15	0.15	0.15	0.60	3.24	
	Reva College Connecting Drain									
	0.00	20.00	2	20.00	0.15	0.15	0.15	1.20	7.20	
	Reva college circle									
	0.00	18.50	2	18.50	0.30	0.30	0.30	1.20	13.32	61.09
								Total Qty Work Done	**128.05**	**Cum**
								Qty Payable in this bill	**128.05**	**Cum**
								Qty Paid in 1st Bill	**745.03**	**Cum**
								Total Qty	**873.08**	**Cum**
								Qty Payable in 2nd Bill	**128.05**	**Cum**

8/3/24

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8/3/24

Contractor Representative

NEWZEN CONSULTANTS Bangalore

Consultant Representative

8/3/24

Asst. Engineer

8/3/24

Asst.Executive Engineer

09

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to Roads and Drains at Bhagath Enclave, Kalidasa layout, Chamundeshwari nagara, Babanagar, Srirampura, MCECHS Layout, Palanahalli and Surrounding areas in Ward No.05

Measurement Sheet

Second and Final Bill

Item No: 6

Item Name: KSRRB M 2200-6 Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. MORTH Specification No 1600 & 2200 TMT Bars Fe 500 Page No 229 Item No 28.8.2 SR 2018-19

Premeasurement recorded on:

SLNO	CHAINAGE / Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	Dia of Bar in mm	**Side**	**Spacing of Bar**	**Nos**	**Length of Bar in Mtr**	**Total length of bar in Mtr**	**Type of Bar**	**Standard weight per Mtr in Kgs**	**Weight of Steel in Kgs**	
	For Drains									
	Durgambha layout 3rd main road(RHS)									
1	10	1.00	100mmc/c	721.00	2.10	1514.10	Main Bar	0.617	934.20	
2	8	1.00	150mmc/c	21.00	72.10	1514.10	Distribution bar	0.395	598.07	
	Durgambha layout 3rd main road(LHS)									
1	10	1.00	100mmc/c	290.00	2.10	609.00	Main Bar	0.617	375.75	
2	8	1.00	150mmc/c	21.00	29.00	609.00	Distribution bar	0.395	240.56	
	Kattigenahalli 2nd main link road									
1	10	1.00	100mmc/c	920.00	2.10	1932.00	Main Bar	0.617	1192.04	
2	8	1.00	150mmc/c	21.00	92.00	1932.00	Distribution bar	0.395	763.14	
	Palanahalli cross road									
1	10	1.00	100mmc/c	323.00	2.10	678.30	Main Bar	0.617	418.51	
2	8	1.00	150mmc/c	21.00	32.30	678.30	Distribution bar	0.395	267.93	
	Reva College Connecting Drain									
1	10	1.00	100mmc/c	200.00	3.40	680.00	Main Bar	0.617	419.56	
2	10	1.00	150mmc/c	34.00	20.00	680.00	Distribution bar	0.617	419.56	
	For Culvert Wall									
	Reva college circle									
1	16	2.00	120mmc/c	155.00	3.60	1116.00	Main Bar	1.580	1763.28	
2	12	2.00	140mmc/c	25.71	18.50	951.43	Distribution bar	0.890	846.77	
	For Culvert Top Slab									
	Reva college circle									
1	16	2.00	120mmc/c	155.00	2.10	651.00	Main Bar	1.580	1028.58	
2	12	2.00	140mmc/c	15.00	18.50	555.00	Distribution bar	0.890	493.95	
									9761.90	**Kgs**
								Total Qty Work Done	**9.76**	**Tonne**
								Qty Payable in this bill	**9.76**	**Tonne**
								Qty Paid in 1st Bill	**43.72**	**Tonne**
								Total Qty	**53.48**	**Tonne**
								Qty Payable in 2nd Bill	**9.76**	**Tonne**

Contractor Representative

Asst. Engineer 10/2/24

NEIZEN CONSULTANT Bangalore

Consultant Representative

Asst. Executive Engineer 10/2/2024

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ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
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10/2/2024

10/2/24

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to Roads and Drains at Bhagath Enclave, Kalidasa layout, Chamundeshwari nagara, Babanagar, Srirampura, MCECHS Layout, Palanahalli and Surrounding areas in Ward No.05

Measurement Sheet

Second and Final Bill

Item No: 7

Item Name: KSRB 5.2-3: Providing and constructing granite / trap / baslt size stone masonary in foundation with cement mortar , stone hammered dressed in course not less than 20 cms high, bond stones at 2m. Apart in each course including cost materials , labours , curing complete as per specifications. KBS-5.1.13 , cement mortar 1:6 KBS-5.1.13 (P.No-25, I.No-5.6).

Premeasurement recorded on:

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	For SSM Culverts									
	For ssm culvert									
	Durgambha layout 3rd main road(LHS)									
	29.00	37.20	2	8.20	0.45	0.45	0.45	0.64	4.72	
	Chamundeshwari layout 1st cross									
	0.00	7.70	2	7.70	0.45	0.45	0.45	0.64	4.44	
	Total Qty Work Done								**9.16**	**Cum**
	Qty Payable in this bill								**9.16**	**Cum**
	Qty Paid in 1st Bill								**34.18**	**Cum**
	Total Qty								**43.34**	**Cum**
	Qty Payable in 2nd Bill								**9.16**	**Cum**

Contractor Representative

10/3/24

Asst Engineer

NEEZEN CONSULTANT Bangalore

Consultant Representative

Asst.Executive Engineer
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ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಬೆಂಗಳೂರು-26

10/3/24

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to Roads and Drains at Bhagath Enclave, Kalidasa layout, Chamundeshwari nagara, Babanagar, Srirampura, MCECHS Layout, Palanahalli and Surrounding areas in Ward No.05

Measurement Sheet

Second and Final Bill

Item No:	8
Item Name:	KSRB 4-1.6: Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC at 240kgs, with 20mm and down size granite metal coarse aggregates at 0.878 cum and fine aggregates at 0.53cum , mechine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted in foundation , plinth and cills, including cost of materials, labours, HOM curing complete as per specifications.specifications No. KBS 4.1,4.2.(P.No-13, I.No4.6)

Premeasurement recorded on:

SLNO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	Flagging Course Bottom concrete									
	Durgambha layout 3rd main road(LHS)									
	37.20	63.20	2	26.00	0.20	0.20	0.20	0.15	1.56	
	Durgambha layout 2nd main road(RHS)									
	26.00	53.00	2	27.00	0.20	0.20	0.20	0.15	1.62	
	62.40	92.40	2	30.00	0.20	0.20	0.20	0.15	1.80	
	92.40	99.00	2	6.60	0.20	0.20	0.20	0.15	0.40	
	116.90	125.90	2	9.00	0.20	0.20	0.20	0.15	0.54	
	125.90	133.30	2	7.40	0.20	0.20	0.20	0.15	0.44	
	Durgambha layout 2nd main road(LHS)									
	0.00	30.00	2	30.00	0.20	0.20	0.20	0.15	1.80	
	30.00	36.00	2	6.00	0.20	0.20	0.20	0.15	0.36	
	45.00	75.00	2	30.00	0.20	0.20	0.20	0.15	1.80	
	75.00	82.10	2	7.10	0.20	0.20	0.20	0.15	0.43	
	90.70	108.40	2	17.70	0.20	0.20	0.20	0.15	1.06	
	108.40	117.70	2	9.30	0.20	0.20	0.20	0.15	0.56	
	Durgambha layout 1st main 1st road(RHS)									
	0.00	30.00	2	30.00	0.20	0.20	0.20	0.15	1.80	
	30.00	33.90	2	3.90	0.20	0.20	0.20	0.15	0.23	
	Durgambha layout 1st main 1st road(LHS)									
	0.00	13.00	2	13.00	0.20	0.20	0.20	0.15	0.78	
	Durgambha layout 1st main road(RHS)									
	0.00	30.00	2	30.00	0.20	0.20	0.20	0.15	1.80	
	30.00	56.60	2	26.60	0.20	0.20	0.20	0.15	1.60	
	66.00	93.00	2	27.00	0.20	0.20	0.20	0.15	1.62	
	175.50	184.80	2	9.30	0.20	0.20	0.20	0.15	0.56	
	193.80	210.80	2	17.00	0.20	0.20	0.20	0.15	1.02	
	Durgambha layout 1st main road(LHS)									

21.77

SLNO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	0.00	21.40	2	21.40	0.20	0.20	0.20	0.15	1.28	
	21.40	46.00	2	24.60	0.20	0.20	0.20	0.15	1.48	
	54.30	72.10	2	17.80	0.20	0.20	0.20	0.15	1.07	
	137.10	167.10	2	30.00	0.20	0.20	0.20	0.15	1.80	
	174.10	204.10	2	30.00	0.20	0.20	0.20	0.15	1.80	
	204.10	217.64	2	13.54	0.20	0.20	0.20	0.15	0.81	
	Flagging Course Coping concrete									
	Durgambha layout 3rd main road(LHS)									
	37.20	63.20	2	26.00	0.15	0.15	0.15	0.10	0.78	
	Durgambha layout 2nd main road(RHS)									
	26.00	53.00	2	27.00	0.15	0.15	0.15	0.10	0.81	
	62.40	92.40	2	30.00	0.15	0.15	0.15	0.10	0.90	
	92.40	99.00	2	6.60	0.15	0.15	0.15	0.10	0.20	
	116.90	125.90	2	9.00	0.15	0.15	0.15	0.10	0.27	
	125.90	133.30	2	7.40	0.15	0.15	0.15	0.10	0.22	
	Durgambha layout 2nd main road(LHS)									
	0.00	30.00	2	30.00	0.15	0.15	0.15	0.10	0.90	
	30.00	36.00	2	6.00	0.15	0.15	0.15	0.10	0.18	
	45.00	75.00	2	30.00	0.15	0.15	0.15	0.10	0.90	
	75.00	82.10	2	7.10	0.15	0.15	0.15	0.10	0.21	
	90.70	108.40	2	17.70	0.15	0.15	0.15	0.10	0.53	
	108.40	117.70	2	9.30	0.15	0.15	0.15	0.10	0.28	
	Durgambha layout 1st main 1st road(RHS)									
	0.00	30.00	2	30.00	0.15	0.15	0.15	0.10	0.90	
	30.00	33.90	2	3.90	0.15	0.15	0.15	0.10	0.12	
	Durgambha layout 1st main 1st road(LHS)									
	0.00	13.00	2	13.00	0.15	0.15	0.15	0.10	0.39	
	Durgambha layout 1st main road(RHS)									
	0.00	30.00	2	30.00	0.15	0.15	0.15	0.10	0.90	
	30.00	56.60	2	26.60	0.15	0.15	0.15	0.10	0.80	
	66.00	93.00	2	27.00	0.15	0.15	0.15	0.10	0.81	
	175.50	184.80	2	9.30	0.15	0.15	0.15	0.10	0.28	
	193.80	210.80	2	17.00	0.15	0.15	0.15	0.10	0.51	
	Durgambha layout 1st main road(LHS)									
	0.00	21.40	2	21.40	0.15	0.15	0.15	0.10	0.64	
	21.40	46.00	2	24.60	0.15	0.15	0.15	0.10	0.74	
	54.30	72.10	2	17.80	0.15	0.15	0.15	0.10	0.53	
	137.10	167.10	2	30.00	0.15	0.15	0.15	0.10	0.90	
	174.10	204.10	2	30.00	0.15	0.15	0.15	0.10	0.90	
	204.10	217.64	2	13.54	0.15	0.15	0.15	0.10	0.41	

23.85

SLNO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	For SSM Culverts coping									
	Durgambha layout 3rd main road(LHS)									
	29.00	37.20	2	8.20	0.45	0.45	0.45	0.15	1.11	
	Chamundeshwari layout 1st cross									
	0.00	7.70	2	7.70	0.45	0.45	0.45	0.15	1.04	
	For SSM Culverts vent									
	Durgambha layout 3rd main road(LHS)									
	29.00	37.20	1	8.20	0.60	0.60	0.60	0.20	0.98	
	Chamundeshwari layout 1st cross									
	0.00	7.70	1	7.70	0.60	0.60	0.60	0.20	0.92	4.05
	Total Qty Work Done								**48.15**	**Cum**
	Qty Payable in this bill								**48.15**	**Cum**
	Qty Paid in 1st Bill								**219.21**	**Cum**
	Total Qty								**267.37**	**Cum**
	Qty Payable in 2nd Bill								**48.15**	**Cum**

Contractor Representative

Consultant Representative

NAWZEN CONSULTANT ★ Bangalore

23/2/21

Asst Engineer

23/2/2021

Asst.Executive Engineer

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ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to Roads and Drains at Bhagath Enclave, Kalidasa layout, Chamundeshwari nagara, Babanagar, Srirampura, MCECHS Layout, Palanahalli and Surrounding areas in Ward No.05

Measurement Sheet

Second and Final Bill

Item No: 9

Item Name: KSRB 5-14: providing and constructing load bearing wall with solid concrete blocks of size 400mm*150mm*200mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00N/mm2 confirming to IS 2185(part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of materials , labour charges , scaffolding, curing, complete as per specifications. KBS

Premeasurement recorded on:

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	Durgambha layout 3rd main road(LHS)									
	37.20	63.20	2	26.00				0.54	28.08	
	Durgambha layout 2nd main road(RHS)									
	26.00	53.00	2	27.00				0.40	21.60	
	62.40	92.40	2	30.00				0.40	24.00	
	92.40	99.00	2	6.60				0.40	5.28	
	116.90	125.90	2	9.00				0.40	7.20	
	125.90	133.30	2	7.40				0.40	5.92	
	Durgambha layout 2nd main road(LHS)									
	0.00	30.00	2	30.00				0.40	24.00	
	30.00	36.00	2	6.00				0.40	4.80	
	45.00	75.00	2	30.00				0.40	24.00	
	75.00	82.10	2	7.10				0.40	5.68	
	90.70	108.40	2	17.70				0.40	14.16	
	108.40	117.70	2	9.30				0.40	7.44	
	Durgambha layout 1st main 1st road(RHS)									
	0.00	30.00	2	30.00				0.40	24.00	
	30.00	33.90	2	3.90				0.40	3.12	
	Durgambha layout 1st main 1st road(LHS)									
	0.00	13.00	2	13.00				0.40	10.40	
	Durgambha layout 1st main road(RHS)									
	0.00	30.00	2	30.00				0.40	24.00	
	30.00	56.60	2	26.60				0.40	21.28	
	66.00	93.00	2	27.00				0.40	21.60	
	175.50	184.80	2	9.30				0.40	7.44	
	193.80	210.80	2	17.00				0.40	13.60	
	Durgambha layout 1st main road(LHS)									
	0.00	21.40	2	21.40				0.40	17.12	
	21.40	46.00	2	24.60				0.40	19.68	
	54.30	72.10	2	17.80				0.40	14.24	
	137.10	167.10	2	30.00				0.40	24.00	
	174.10	204.10	2	30.00				0.40	24.00	
	204.10	217.64	2	13.54				0.40	10.83	

	Total Qty Work Done	**407.47**	**Sqm**
	Qty Payable in this bill	**407.47**	**Sqm**
	Qty Paid in 1st Bill	**1947.88**	**Sqm**
	Total Qty	**2355.35**	**Sqm**
	Qty Payable in 2nd Bill	**407.47**	**Sqm**

Contractor Representative

Asst.Engineer 21/1/24

NWZEN CONSULTANT Bangalore

Consultant Representative

Asst.Executive Engineer

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ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಬೆಂಗಳೂರು-26

15

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to Roads and Drains at Bhagath Enclave, Kalidasa layout, Chamundeshwari nagara, Babanagar, Srirampura, MCECHS Layout, Palanahalli and Surrounding areas in Ward No.05

Measurement Sheet

Second and Final Bill

Item No:	12
	KSRRB M300-14: Excavation for roadwork in soil with hydralic excavation of 0.9 cum bucket capacity including cutting and laoding in tippers,trimming bottom and side slopes , in accordance with requiement of lines , grades and cross section , and

Premeasurement recorded on:

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	Babanagar 4th main road									
	0.00	30.00	1	30.00	4.90	5.20	5.05	0.350	53.03	CBFC
	30.00	60.00	1	30.00	5.20	5.80	5.50	0.350	57.75	
	60.00	67.30	1	7.30	5.80	5.50	5.65	0.350	14.44	5/3/2021
	67.30	73.30	1		6.00	6.00				
	73.30	103.30	1	30.00	6.00	5.90	5.95	0.350	62.48	
	103.30	133.30	1	30.00	5.90	6.20	6.05	0.350	63.53	
	133.30	161.60	1	28.30	6.20	5.90	6.05	0.350	59.93	5/3/21
	MCECHS LAYOUT 21st cross									
	0.00	30.00	1	30.00	2.00	2.00	2.00	0.350	21.00	
	30.00	60.00	1	30.00	2.00	2.00	2.00	0.350	21.00	
	60.00	90.00	1	30.00	2.00	2.00	2.00	0.350	21.00	
	90.00	120.00	1	30.00	2.00	2.00	2.00	0.350	21.00	
	120.00	121.00	1	1.00	2.00	2.00	2.00	0.350	0.70	CBFC
	MCECHS LAYOUT 21st cross to 25th cross connected									
	0.00	30.00	1	30.00	2.00	2.00	2.00	0.350	21.00	
	30.00	60.00	1	30.00	2.00	2.00	2.00	0.350	21.00	
	60.00	67.00	1	7.00	2.00	2.20	2.10	0.350	5.15	6/3/2021
	MCECHS LAYOUT 20th cross road									
	0.00	30.00	1	30.00	2.00	2.00	2.00	0.350	21.00	
	30.00	60.00	1	30.00	2.00	2.00	2.00	0.350	21.00	
	60.00	90.00	1	30.00	2.00	2.00	2.00	0.350	21.00	
	90.00	120.00	1	30.00	2.00	2.00	2.00	0.350	21.00	
	120.00	139.10	1	19.10	2.00	2.00	2.00	0.350	13.37	6/3/21
	Chamudeshwari layout 1st main									
	0.00	30.00	1	30.00	2.00	2.20	2.10	0.350	22.05	
	30.00	60.00	1	30.00	2.20	2.20	2.20	0.350	23.10	
	60.00	90.00	1	30.00	2.20	2.00	2.10	0.350	22.05	
	90.00	120.00	1	30.00	2.00	2.10	2.05	0.350	21.53	
	120.00	133.50	1	13.50	2.10	2.00	2.05	0.350	9.69	
	Chamudeshwari layout 2nd main									

638.76

SLNO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	0.00	30.00	1	30.00	6.60	5.00	5.80	0.350	60.90	
	30.00	60.00	1	30.00	5:00	5.40	5.20	0.350	54.60	
	60.00	90.00	1	30.00	5.40	5.40	5.40	0.350	56.70	
	90.00	120.00	1	30.00	5.40	5.59	5.50	0.350	57.70	
	120.00	134.00	1	14.00	5.59	6.50	6.05	0.350	29.62	
	Chamudeshwari layout 2nd to 3rd main connected									
	0.00	26.00	1	26.00	2.20	2.20	2.20	0.350	20.02	
	Chamudeshwari layout 3rd main									
	0.00	30.00	1	30.00	5.60	5.00	5.30	0.350	55.65	
	30.00	60.00	1	30.00	5.00	4.40	4.70	0.350	49.35	
	60.00	90.00	1	30.00	4.40	4.50	4.45	0.350	46.73	
	90.00	110.00	1	20.00	4.50	4.50	4.50	0.350	31.50	
	110.00	140.00	1	30.00	4.50	4.50	4.50	0.350	47.25	
	140.00	168.50	1	28.50	4.50	5.00	4.75	0.350	47.38	
	168.50	180.90	1	12.40	5.00	5.20	5.10	0.350	22.13	
	Attukal layout 1st cross									
	0.00	30.00	1	30.00	5.80	5.55	5.68	0.300	51.08	
	30.00	38.35	1	8.35	5.55	5.65	5.60	0.300	14.03	
	38.35	68.35	1	30.00	5.65	5.10	5.38	0.300	48.38	
	68.35	98.35	1	30.00	5.10	4.80	4.95	0.300	44.55	
	98.35	119.20	1	20.85	4.80	4.55	4.68	0.300	29.24	
	Attukal layout 2nd cross									
	0.00	30.00	1	30.00	7.04	6.20	6.62	0.350	69.51	
	30.00	60.00	1	30.00	6.20	6.20	6.20	0.350	65.10	
	60.00	90.00	1	30.00	6.20	6.20	6.20	0.300	55.80	
	90.00	110.30	1	20.30	6.20	6.50	6.35	0.350	45.12	
	110.30	116.30	1	6.00	6.50	11.88	9.19	0.350	19.30	
	116.30	146.30	1	30.00	11.88	6.60	9.24	0.350	97.02	
	146.30	155.60	1	9.30	6.60	6.45	6.53	0.350	21.24	
	155.60	163.50	1	7.90	6.45	10.30	8.38	0.350	23.16	
								Total Qty Work Done	**1801.80**	**Cum**
								Qty Payable in this bill	**1801.80**	**Cum**
								Qty Paid in 1st Bill	**5877.13**	**Cum**
								Total Qty	**7678.93**	**Cum**
								Qty Payable in 2nd Bill	**1801.80**	**Cum**

Contractor Representative

Asst Engineer 10/3/24

Consultant Representative

NEIZEN CONSULTANT Bangalore

Asst.Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to Roads and Drains at Bhagath Enclave, Kalidasa layout, Chamundeshwari nagara, Babanagar, Srirampura, MCECHS Layout, Palanahalli and Surrounding areas in Ward No.05

Measurement Sheet

Second and Final Bill

Item No: **13**

Item Name: Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/trap/basalt material, mixing in a mechanical mix plant at OMC , Carriage of mixed materials to work site, spreading in uniform layers with motor grader on prepared surface and

Premeasurement recorded on:

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	Babanagar 4th main road									
	0.00	30.00	1	30.00	4.90	5.20	5.05	0.150	22.73	
	30.00	60.00	1	30.00	5.20	5.80	5.50	0.150	24.75	
	60.00	67.30	1	7.30	5.80	5.50	5.65	0.150	6.19	
	67.30	73.30	1		6.00	6.00				cross road
	73.30	103.30	1	30.00	6.00	5.90	5.95	0.150	26.78	
	103.30	133.30	1	30.00	5.90	6.20	6.05	0.150	27.23	
	133.30	161.60	1	28.30	6.20	5.90	6.05	0.150	25.68	
	MCECHS LAYOUT 21st cross									
	0.00	30.00	1	30.00	2.00	2.00	2.00	0.150	9.00	
	30.00	60.00	1	30.00	2.00	2.00	2.00	0.150	9.00	
	60.00	90.00	1	30.00	2.00	2.00	2.00	0.150	9.00	
	90.00	120.00	1	30.00	2.00	2.00	2.00	0.150	9.00	
	120.00	121.00	1	1.00	2.00	2.00	2.00	0.150	0.30	
	MCECHS LAYOUT 21st cross to 25th cross connected									
	0.00	30.00	1	30.00	2.00	2.00	2.00	0.150	9.00	
	30.00	60.00	1	30.00	2.00	2.00	2.00	0.150	9.00	
	60.00	67.00	1	7.00	2.00	2.20	2.10	0.150	2.21	
	MCECHS LAYOUT 20th cross road									
	0.00	30.00	1	30.00	2.00	2.00	2.00	0.150	9.00	
	30.00	60.00	1	30.00	2.00	2.00	2.00	0.150	9.00	
	60.00	90.00	1	30.00	2.00	2.00	2.00	0.150	9.00	
	90.00	120.00	1	30.00	2.00	2.00	2.00	0.150	9.00	
	120.00	139.10	1	19.10	2.00	2.00	2.00	0.150	5.73	
	Chamudeshwari layout 1st main									
	0.00	30.00	1	30.00	2.00	2.20	2.10	0.150	9.45	
	30.00	60.00	1	30.00	2.20	2.20	2.20	0.150	9.90	
	60.00	90.00	1	30.00	2.20	2.00	2.10	0.150	9.45	
	90.00	120.00	1	30.00	2.00	2.10	2.05	0.150	9.23	
	120.00	133.50	1	13.50	2.10	2.00	2.05	0.150	4.15	
	Chamudeshwari layout 2nd main									
	0.00	30.00	1	30.00	6.60	5.00	5.80	0.150	26.10	
	30.00	60.00	1	30.00	5.00	5.40	5.20	0.150	23.40	

323.28

SLNO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	60.00	90.00	1	30.00	5.40	5.40	5.40	0.150	24.30	
	90.00	120.00	1	30.00	5.40	5.59	5.50	0.150	24.73	
	120.00	134.00	1	14.00	5.59	6.50	6.05	0.150	12.69	
	Chamudeshwari layout 2nd to 3rd main connected									
	0.00	26.00	1	26.00	2.20	2.20	2.20	0.150	8.58	
	Attukal layout 1st cross									
	0.00	30.00	1	30.00	5.80	5.55	5.68	0.150	25.54	
	30.00	38.35	1	8.35	5.55	5.65	5.60	0.150	7.01	
	38.35	68.35	1	30.00	5.65	5.10	5.38	0.150	24.19	
	68.35	98.35	1	30.00	5.10	4.80	4.95	0.150	22.28	
	98.35	119.20	1	20.85	4.80	4.55	4.68	0.150	14.62	
	Attukal layout 2nd cross									
	0.00	30.00	1	30.00	7.04	6.20	6.62	0.150	29.79	
	30.00	60.00	1	30.00	6.20	6.20	6.20	0.150	27.90	
	60.00	90.00	1	30.00	6.20	6.20	6.20	0.150	27.90	
	90.00	110.30	1	20.30	6.20	6.50	6.35	0.150	19.34	
	110.30	116.30	1	6.00	6.50	11.88	9.19	0.150	8.27	
	116.30	146.30	1	30.00	11.88	6.60	9.24	0.150	41.58	
	146.30	155.60	1	9.30	6.60	6.45	6.53	0.150	9.10	
	155.60	163.50	1	7.90	6.45	10.30	8.38	0.150	9.92	
	1st bill QTY carry over to 2nd bill						(661.02	323.28+	337.74)	
	Total Qty		Qty payed in first bill							
	2878.59		**2714.46**				Qty Limitted		**164.13**	
	Babanagar 1st cross road								825.15	
	0.00	30.00	-1	30.00	4.50	4.10	4.30	0.15	-19.35	
	30.00	60.00	-1	30.00	4.10	3.50	3.80	0.15	-17.10	
	60.00	90.00	-1	30.00	3.50	3.80	3.65	0.15	-16.43	
	90.00	120.00	-1	30.00	3.80	3.90	3.85	0.15	-17.33	
	120.00	150.00	-1	30.00	3.90	3.80	3.85	0.15	-17.33	
	150.00	164.90	-1	14.90	3.80	4.20	4.00	0.15	-8.94	-96.48
Note:									**Total Qty Work Done**	**728.66** Cum
1)	1st & Part Bill total measurement: 2878.59								**Qty Payable in this bill**	**728.66** Cum
2)	Payment made 1st & Part			2714.46					**Qty Paid in 1st Bill**	**2714.46** Cum
3)	Reserved for Approval			164.13					**Total Qty**	**3443.12** Cum
									Qty Payable in 2nd Bill	**728.66** Cum
									Qty upto 125%	**678.62** Cum
									Qty Above 125%	**50.05** Cum

Contractor Representative

Asst. Engineer

Consultant Representative

Asst.Executive Engineer

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to Roads and Drains at Bhagath Enclave, Kalidasa layout, Chamundeshwari nagara, Babanagar, Srirampura, MCECHS Layout, Palanahalli and Surrounding areas in Ward No.05

Measurement Sheet

Second and Final Bill

Item No: **14**

Item Name: KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. with all lead and lift and as per direction of Engineer In-charge

Premeasurement recorded on:

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	Babanagar 4th main road									
	0.00	30.00	1	30.00	4.90	5.20	5.05	0.225	34.09	
	30.00	60.00	1	30.00	5.20	5.80	5.50	0.225	37.13	
	60.00	67.30	1	7.30	5.80	5.50	5.65	0.225	9.28	
	67.30	73.30	1		6.00	6.00				cross road
	73.30	103.30	1	30.00	6.00	5.90	5.95	0.225	40.16	
	103.30	133.30	1	30.00	5.90	6.20	6.05	0.225	40.84	
	133.30	161.60	1	28.30	6.20	5.90	6.05	0.225	38.52	
	MCECHS LAYOUT 21st cross									
	0.00	30.00	1	30.00	2.10	2.00	2.05	0.225	13.84	
	30.00	60.00	1	30.00	2.00	2.00	2.00	0.225	13.50	
	60.00	90.00	1	30.00	2.00	2.00	2.00	0.225	13.50	
	90.00	120.00	1	30.00	2.00	2.00	2.00	0.225	13.50	
	120.00	121.00	1	1.00	2.00	2.00	2.00	0.225	0.45	
	MCECHS LAYOUT 21st cross to 25th cross connected									
	0.00	30.00	1	30.00	2.00	2.00	2.00	0.225	13.50	
	30.00	60.00	1	30.00	2.00	2.00	2.00	0.225	13.50	
	60.00	67.00	1	7.00	2.00	2.20	2.10	0.225	3.31	
	MCECHS LAYOUT 20th cross road									
	0.00	30.00	1	30.00	2.00	2.00	2.00	0.225	13.50	
	30.00	60.00	1	30.00	2.00	2.00	2.00	0.225	13.50	
	60.00	90.00	1	30.00	2.00	2.00	2.00	0.225	13.50	
	90.00	120.00	1	30.00	2.00	2.00	2.00	0.225	13.50	
	120.00	139.10	1	19.10	2.00	2.00	2.00	0.225	8.60	
	Chamudeshwari layout 1st main									
	0.00	30.00	1	30.00	2.00	2.20	2.10	0.225	14.18	
	30.00	60.00	1	30.00	2.20	2.20	2.20	0.225	14.85	
	60.00	90.00	1	30.00	2.20	2.00	2.10	0.225	14.18	
	90.00	120.00	1	30.00	2.00	2.10	2.05	0.225	13.84	
	120.00	133.50	1	13.50	2.10	2.00	2.05	0.225	6.23	
	Chamudeshwari layout 2nd main									
	0.00	30.00	1	30.00	6.60	5.00	5.80	0.225	39.15	
	30.00	60.00	1	30.00	5.00	5.40	5.20	0.225	35.10	
	60.00	90.00	1	30.00	5.40	5.40	5.40	0.225	36.45	

521.67

SLNO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	90.00	120.00	1	30.00	5.40	5.59	5.50	0.225	37.09	
	120.00	134.00	1	14.00	5.59	6.50	6.05	0.225	19.04	
	Chamudeshwari layout 2nd to 3rd main connected									
	0.00	26.00	1	26.00	2.20	2.20	2.20	0.225	12.87	
	Attukal layout 1st cross									
	0.00	30.00	1	30.00	5.80	5.55	5.68	0.225	38.31	
	30.00	38.35	1	8.35	5.55	5.65	5.60	0.225	10.52	
	38.35	68.35	1	30.00	5.65	5.10	5.38	0.225	36.28	
	68.35	98.35	1	30.00	5.10	4.80	4.95	0.225	33.41	
	98.35	119.20	1	20.85	4.80	4.55	4.68	0.225	21.93	
	Attukal layout 2nd cross									
	0.00	30.00	1	30.00	7.04	6.20	6.62	0.225	44.69	
	30.00	60.00	1	30.00	6.20	6.20	6.20	0.225	41.85	
	60.00	90.00	1	30.00	6.20	6.20	6.20	0.225	41.85	
	90.00	110.30	1	20.30	6.20	6.50	6.35	0.225	29.00	
	110.30	116.30	1	6.00	6.50	11.88	9.19	0.225	12.41	
	116.30	146.30	1	30.00	11.88	6.60	9.24	0.225	62.37	
	146.30	155.60	1	9.30	6.60	6.45	6.53	0.225	13.65	
	155.60	163.50	1	7.90	6.45	10.30	8.38	0.225	14.89	430.16
	1st bill QTY carry over to 2nd bill						991.83			
	Total Qty		Qty payed in first bill							
	4317.89		**4071.69**				Qty Limitted		**246.20**	
	Babanagar 1st cross road								1238.03	
	0.00	30.00	-1	30.00	4.50	4.10	4.30	0.225	-29.03	
	30.00	60.00	-1	30.00	4.10	3.50	3.80	0.225	-25.65	
	60.00	90.00	-1	30.00	3.50	3.80	3.65	0.225	-24.64	
	90.00	120.00	-1	30.00	3.80	3.90	3.85	0.225	-25.99	
	120.00	150.00	-1	30.00	3.90	3.80	3.85	0.225	-25.99	
	150.00	164.90	-1	14.90	3.80	4.20	4.00	0.225	-13.41	146.71
Note*									**Total Qty Work Done**	**1093.33** **Cum**
1)	1st & Part Bill total measurement: 4317.89								**Qty Payable in this bill**	**1093.33** **Cum**
2)	payment made 1st & Part 4071.69								**Qty Paid in 1st Bill**	**4071.69** **Cum**
3)	Received for Approval 246.20								**Total Qty**	**5165.02** **Cum**
									Qty Payable in 2nd Bill	**1093.33** **Cum**
									Qty upto 125%	**1017.92** **Cum**
									Qty Above 125%	**75.41** **Cum**

Contractor Representative

Asst Engineer

Consultant Representative

Asst.Executive Engineer
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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to Roads and Drains at Bhagath Enclave, Kalidasa layout, Chamundeshwari nagara, Babanagar, Srirampura, MCECHS Layout, Palanahalli and Surrounding areas in Ward No.05

Measurement Sheet

Second and Final Bill

Item No: **15**

Item Name: KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and sparying primer at the rte of 0.60 kg /sqm using mechanical means complete as per specifications with all lead and lift and as per the direction of Engineer in-charge

Premeasurement recorded on:

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	Kalidasa 2nd Cross Road									
	0.00	30.00	1	30.00	7.30	7.40	7.35		220.50	
	30.00	60.00	1	30.00	7.40	7.30	7.35		220.50	
	60.00	90.00	1	30.00	7.30	7.50	7.40		222.00	
	90.00	120.00	1	30.00	7.50	7.00	7.25		217.50	
	120.00	122.80	1	2.80	7.00	7.00	7.00		19.60	
	Kalidasa 1st Cross Road									
	0.00	30.00	1	30.00	7.20	7.10	7.15		214.50	
	30.00	60.00	1	30.00	7.10	7.50	7.30		219.00	
	60.00	90.00	1	30.00	7.50	7.50	7.50		225.00	
	90.00	120.00	1	30.00	7.50	8.20	7.85		235.50	
	120.00	123.00	1	3.00	7.50	8.20	7.85		23.55	
	Bagath Enclave 1st Cross Road									
	0.00	30.00	1	30.00	7.00	6.80	6.90		207.00	
	30.00	60.00	1	30.00	6.80	6.60	6.70		201.00	
	60.00	86.00	1	26.00	6.60	6.50	6.55		170.30	
	Srirampura 60ft Road									
	0.00	30.00	1	30.00	11.00	9.00	10.00		300.00	
	30.00	60.00	1	30.00	9.00	8.00	8.50		255.00	
	60.00	90.00	1	30.00	8.00	9.00	8.50		255.00	
	90.00	113.00	1	23.00	9.00	9.60	9.30		213.90	
	113.00	126.00	1	13.00	9.60	10.30	9.95		129.35	
	126.00	140.00	1	14.00	6.20	6.30	6.25		87.50	
	140.00	170.00	1	30.00	6.30	6.40	6.35		190.50	
	170.00	200.00	1	30.00	6.40	6.00	6.20		186.00	
	200.00	230.00	1	30.00	6.00	6.00	6.00		180.00	
	230.00	260.00	1	30.00	6.00	9.90	7.95		238.50	
	260.00	272.00	1	12.00	9.90	10.40	10.15		121.80	
	272.00	290.00	1	18.00	10.40	10.10	10.25		184.50	
	290.00	320.00	1	30.00	10.10	10.00	10.05		301.50	
	320.00	350.00	1	30.00	10.00	10.30	10.15		304.50	
	350.00	380.00	1	30.00	10.30	10.90	10.60		318.00	
	380.00	410.00	1	30.00	10.90	9.20	10.05		301.50	

C&FC 3/6/24

C&FC 4/6/24

5963.50

03/6/24

4/6/24

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	410.00	440.00	1	30.00	9.20	11.00	10.10		303.00	
	440.00	470.00	1	30.00	11.00	9.50	10.25		307.50	
	470.00	500.00	1	30.00	9.50	9.70	9.60		288.00	
	500.00	530.00	1	30.00	9.70	10.00	9.85		295.50	
	530.00	560.00	1	30.00	10.00	10.40	10.20		306.00	
	560.00	590.00	1	30.00	10.40	10.40	10.40		312.00	
	590.00	620.00	1	30.00	10.40	11.50	10.95		328.50	
	620.00	650.00	1	30.00	11.50	10.00	10.75		322.50	
	650.00	680.00	1	30.00	10.00	10.30	10.15		304.50	
	680.00	710.00	1	30.00	10.30	11.30	10.80		324.00	
	710.00	740.00	1	30.00	11.30	10.00	10.65		319.50	
	740.00	770.00	1	30.00	10.00	9.30	9.65		289.50	
	770.00	800.00	1	30.00	9.30	9.70	9.50		285.00	
	800.00	830.00	1	30.00	9.70	9.70	9.70		291.00	
	830.00	860.00	1	30.00	9.70	9.70	9.70		291.00	
	860.00	898.00	1	38.00	9.70	10.10	9.90		376.20	
	cross road 1 MCECHS Layout									
	0.00	30.00	1	30.00	8.80	8.50	8.65		259.50	
	30.00	60.00	1	30.00	8.50	7.80	8.15		244.50	
	60.00	68.00	1	8.00	8.50	7.80	8.15		65.20	
	cross road 2 MCECHS Layout									
	0.00	30.00	1	30.00	14.60	8.00	11.30		339.00	
	30.00	60.00	1	30.00	8.00	8.20	8.10		243.00	
	60.00	90.00	1	30.00	8.20	8.40	8.30		249.00	
	90.00	110.00	1	20.00	8.40	9.20	8.80		176.00	
	9th cross road MCECHS Layout (Right side)									
	0.00	30.00	1	30.00	5.90	5.20	5.55		166.50	
	30.00	60.00	1	30.00	5.20	5.50	5.35		160.50	
	60.00	89.40	1	29.40	5.50	5.50	5.50		161.70	
	9th cross road MCECHS Layout (Left side)									
	0.00	30.00	1	30.00	6.40	5.90	6.15		184.50	
	30.00	60.00	1	30.00	5.90	6.00	5.95		178.50	
	60.00	90.00	1	30.00	6.00	6.60	6.30		189.00	
	90.00	102.00	1	12.00	6.60	6.30	6.45		77.40	
	Babanagar 2nd cross road									
	0.00	30.00	1	30.00	6.00	5.80	5.90		177.00	
	30.00	60.00	1	30.00	5.80	5.80	5.80		174.00	
	60.00	73.00	1	13.00	5.80	5.00	5.40		70.20	
	Babanagar 3rd cross road									
	0.00	30.00	1	30.00	4.50	4.70	4.60		138.00	
	30.00	36.30	1	6.30	4.70	4.70	4.70		29.61	
	Babanagar 2nd main road									
	0.00	30.00	1	30.00	5.90	5.90	5.90		177.00	
	30.00	60.00	1	30.00	5.90	5.95	5.93		177.75	
	60.00	67.90	1	7.90	5.95	6.00	5.98		47.20	

8628.86

SLNO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	67.90	74.90	1		6.00	5.90				cross road
	74.90	104.90	1	30.00	5.90	5.80	5.85		175.50	
	104.90	134.90	1	30.00	5.80	5.50	5.65		169.50	
	134.90	163.80	1	28.90	5.50	5.45	5.48		158.23	
	Babanagar 3rd main road									
	0.00	30.00	1	30.00	5.20	5.90	5.55		166.50	
	30.00	60.00	1	30.00	5.90	5.50	5.70		171.00	
	60.00	87.60	1	27.60	5.50	6.00	5.75		158.70	
	87.60	96.60	1		6.00	6.50				cross road
	96.60	126.60	1	30.00	6.50	5.60	6.05		181.50	
	126.60	156.60	1	30.00	5.60	5.10	5.35		160.50	
	156.60	164.30	1	7.70	5.10	5.10	5.10		39.27	
	Babanagar 4th main road									
	0.00	30.00	1	30.00	4.90	5.20	5.05		151.50	
	30.00	60.00	1	30.00	5.20	5.80	5.50		165.00	
	60.00	67.30	1	7.30	5.80	5.50	5.65		41.25	
	67.30	73.30	1	6.00	6.00	6.00	6.00			cross road
	73.30	103.30	1	30.00	6.00	5.90	5.95		178.50	
	103.30	133.30	1	30.00	5.90	6.20	6.05		181.50	
	133.30	161.60	1	28.30	6.20	5.90	6.05		171.22	
	MCECHS LAYOUT 21st cross									
	0.00	30.00	1	30.00	2.10	2.00	2.05		61.50	
	30.00	60.00	1	30.00	2.00	2.00	2.00		60.00	
	60.00	90.00	1	30.00	2.00	2.00	2.00		60.00	
	90.00	120.00	1	30.00	2.00	2.00	2.00		60.00	
	120.00	121.00	1	1.00	2.00	2.00	2.00		2.00	
	MCECHS LAYOUT 21st cross to 25th cross connected									
	0.00	30.00	1	30.00	2.00	2.00	2.00		60.00	
	30.00	60.00	1	30.00	2.00	2.00	2.00		60.00	
	60.00	67.00	1	7.00	2.00	2.20	2.10		14.70	
	MCECHS LAYOUT 20th cross road									
	0.00	30.00	1	30.00	2.00	2.00	2.00		60.00	
	30.00	60.00	1	30.00	2.00	2.00	2.00		60.00	
	60.00	90.00	1	30.00	2.00	2.00	2.00		60.00	
	90.00	120.00	1	30.00	2.00	2.00	2.00		60.00	
	120.00	139.10	1	19.10	2.00	2.00	2.00		38.20	
	Chamudeshwari layout 1st main									
	0.00	30.00	1	30.00	2.00	2.20	2.10		63.00	
	30.00	60.00	1	30.00	2.20	2.20	2.20		66.00	
	60.00	90.00	1	30.00	2.20	2.00	2.10		63.00	
	90.00	120.00	1	30.00	2.00	2.10	2.05		61.50	

3159.56

SLNO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	120.00	133.50	1	13.50	2.10	2.00	2.05		27.68	
	Chamudeshwari layout 2nd main									
	0.00	30.00	1	30.00	6.60	5.00	5.80		174.00	
	30.00	60.00	1	30.00	5.00	5.40	5.20		156.00	
	60.00	90.00	1	30.00	5.40	5.40	5.40		162.00	
	90.00	120.00	1	30.00	5.40	5.59	5.50		164.85	
	120.00	134.00	1	14.00	5.59	6.50	6.05		84.63	
	Chamudeshwari layout 2nd to 3rd main connected									
	0.00	26.00	1	26.00	2.20	2.20	2.20		57.20	
	Attukal layout 1st cross									
	0.00	30.00	1	30.00	5.80	5.55	5.68		170.25	
	30.00	38.35	1	8.35	5.55	5.65	5.60		46.76	
	38.35	68.35	1	30.00	5.65	5.10	5.38		161.25	
	68.35	98.35	1	30.00	5.10	4.80	4.95		148.50	
	98.35	119.20	1	20.85	4.80	4.55	4.68		97.47	
	Attukal layout 2nd cross									
	0.00	30.00	1	30.00	7.04	6.20	6.62		198.60	
	30.00	60.00	1	30.00	6.20	6.20	6.20		186.00	
	60.00	90.00	1	30.00	6.20	6.20	6.20		186.00	
	90.00	110.30	1	20.30	6.20	6.50	6.35		128.91	
	110.30	116.30	1	6.00	6.50	11.88	9.19		55.14	
	116.30	146.30	1	30.00	11.88	6.60	9.24		277.20	
	146.30	155.60	1	9.30	6.60	6.45	6.53		60.68	
	155.60	163.50	1	7.90	6.45	10.30	8.38		66.16	2609.28
								Total Qty Work Done	**20381.10**	**Sqm**
								Qty Payable in this bill	**20381.10**	**Sqm**
								Qty Paid in 1st Bill	**2571.66**	**Sqm**
								Total Qty	**22952.76**	**Sqm**
								Qty Payable in 2nd Bill	**20381.10**	**Sqm**

Contractor Representative

22/6/24

Asst Engineer

NEWGEN CONSULTANT Bangalore

Consultant Representative

22/6/2024

Asst.Executive Engineer

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ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-26

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to Roads and Drains at Bhagath Enclave, Kalidasa layout, Chamundeshwari nagara, Babanagar, Srirampura, MCECHS Layout, Palanahalli and Surrounding areas in Ward No.05

Measurement Sheet

Second and Final Bill

Item No: 16

Item Name: KSRRB 500-2 : Cleaning the existing black topped surfce with brooms, soft brushes and finally dusting with old gunny bags and /or compressed air to receive bituminous treatment including cost of material, labour, HOM curing, complete as per specificatioons.(P.No158.1, I.No-21.12,KPWD SR2018-19)

Premeasurement recorded on:

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	Kalidasa 2nd Cross Road									
	0.00	30.00	1	30.00	7.30	7.40	7.35		220.50	
	30.00	60.00	1	30.00	7.40	7.30	7.35		220.50	
	60.00	90.00	1	30.00	7.30	7.50	7.40		222.00	
	90.00	120.00	1	30.00	7.50	7.00	7.25		217.50	
	120.00	122.80	1	2.80	7.00	7.00	7.00		19.60	
	Kalidasa 1st Cross Road									
	0.00	30.00	1	30.00	7.20	7.10	7.15		214.50	
	30.00	60.00	1	30.00	7.10	7.50	7.30		219.00	
	60.00	90.00	1	30.00	7.50	7.50	7.50		225.00	
	90.00	120.00	1	30.00	7.50	8.20	7.85		235.50	
	120.00	123.00	1	3.00	7.50	8.20	7.85		23.55	
	Bagath Enclave 1st Cross Road									
	0.00	30.00	1	30.00	7.00	6.80	6.90		207.00	
	30.00	60.00	1	30.00	6.80	6.60	6.70		201.00	
	60.00	86.00	1	26.00	6.60	6.50	6.55		170.30	
	Srirampura 60ft Road									
	0.00	30.00	1	30.00	11.00	9.00	10.00		300.00	
	30.00	60.00	1	30.00	9.00	8.00	8.50		255.00	
	60.00	90.00	1	30.00	8.00	9.00	8.50		255.00	
	90.00	113.00	1	23.00	9.00	9.60	9.30		213.90	
	113.00	126.00	1	13.00	9.60	10.30	9.95		129.35	
	126.00	140.00	1	14.00	6.20	6.30	6.25		87.50	
	140.00	170.00	1	30.00	6.30	6.40	6.35		190.50	
	170.00	200.00	1	30.00	6.40	6.00	6.20		186.00	
	200.00	230.00	1	30.00	6.00	6.00	6.00		180.00	
	230.00	260.00	1	30.00	6.00	9.90	7.95		238.50	
	260.00	272.00	1	12.00	9.90	10.40	10.15		121.80	
	272.00	290.00	1	18.00	10.40	10.10	10.25		184.50	
	290.00	320.00	1	30.00	10.10	10.00	10.05		301.50	
	320.00	350.00	1	30.00	10.00	10.30	10.15		304.50	
	350.00	380.00	1	30.00	10.30	10.90	10.60		318.00	
	380.00	410.00	1	30.00	10.90	9.20	10.05		301.50	
	410.00	440.00	1	30.00	9.20	11.00	10.10		303.00	

6266.50

C&F C 3/6/2024

C&F C 4/6/2024

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	440.00	470.00	1	30.00	11.00	9.50	10.25		307.50	
	470.00	500.00	1	30.00	9.50	9.70	9.60		288.00	
	500.00	530.00	1	30.00	9.70	10.00	9.85		295.50	
	530.00	560.00	1	30.00	10.00	10.40	10.20		306.00	
	560.00	590.00	1	30.00	10.40	10.40	10.40		312.00	
	590.00	620.00	1	30.00	10.40	11.50	10.95		328.50	
	620.00	650.00	1	30.00	11.50	10.00	10.75		322.50	
	650.00	680.00	1	30.00	10.00	10.30	10.15		304.50	
	680.00	710.00	1	30.00	10.30	11.30	10.80		324.00	
	710.00	740.00	1	30.00	11.30	10.00	10.65		319.50	
	740.00	770.00	1	30.00	10.00	9.30	9.65		289.50	
	770.00	800.00	1	30.00	9.30	9.70	9.50		285.00	
	800.00	830.00	1	30.00	9.70	9.70	9.70		291.00	
	830.00	860.00	1	30.00	9.70	9.70	9.70		291.00	
	860.00	898.00	1	38.00	9.70	10.10	9.90		376.20	
	cross road 1 MCECHS Layout									
	0.00	30.00	1	30.00	8.80	8.50	8.65		259.50	
	30.00	60.00	1	30.00	8.50	7.80	8.15		244.50	
	60.00	68.00	1	8.00	8.50	7.80	8.15		65.20	
	cross road 2 MCECHS Layout									
	0.00	30.00	1	30.00	14.60	8.00	11.30		339.00	
	30.00	60.00	1	30.00	8.00	8.20	8.10		243.00	
	60.00	90.00	1	30.00	8.20	8.40	8.30		249.00	
	90.00	110.00	1	20.00	8.40	9.20	8.80		176.00	
	9th cross road MCECHS Layout (Right side)									
	0.00	30.00	1	30.00	5.90	5.20	5.55		166.50	
	30.00	60.00	1	30.00	5.20	5.50	5.35		160.50	
	60.00	89.40	1	29.40	5.50	5.50	5.50		161.70	
	9th cross road MCECHS Layout (Left side)									
	0.00	30.00	1	30.00	6.40	5.90	6.15		184.50	
	30.00	60.00	1	30.00	5.90	6.00	5.95		178.50	
	60.00	90.00	1	30.00	6.00	6.60	6.30		189.00	
	90.00	102.00	1	12.00	6.60	6.30	6.45		77.40	
	Babanagar 2nd cross road									
	0.00	30.00	1	30.00	6.00	5.80	5.90		177.00	
	30.00	60.00	1	30.00	5.80	5.80	5.80		174.00	
	60.00	73.00	1	13.00	5.80	5.00	5.40		70.20	
	Babanagar 3rd cross road									
	0.00	30.00	1	30.00	4.50	4.70	4.60		138.00	
	30.00	36.30	1	6.30	4.70	4.70	4.70		29.61	
	Babanagar 2nd main road									
	0.00	30.00	1	30.00	5.90	5.90	5.90		177.00	
	30.00	60.00	1	30.00	5.90	5.95	5.93		177.75	
	60.00	67.90	1	7.90	5.95	6.00	5.98		47.20	
	67.90	74.90	1	7.00	6.00	5.90				cross road
	74.90	104.90	1	30.00	5.90	5.80	5.85		175.50	

8501.26

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	104.90	134.90	1	30.00	5.80	5.50	5.65		169.50	
	134.90	163.80	1	28.90	5.50	5.45	5.48		158.23	
	Babanagar 3rd main road									
	0.00	30.00	1	30.00	5.20	5.90	5.55		166.50	
	30.00	60.00	1	30.00	5.90	5.50	5.70		171.00	
	60.00	87.60	1	27.60	5.50	6.00	5.75		158.70	
	87.60	96.60	1	9.00	6.00	6.50				cross road
	96.60	126.60	1	30.00	6.50	5.60	6.05		181.50	
	126.60	156.60	1	30.00	5.60	5.10	5.35		160.50	
	156.60	164.30	1	7.70	5.10	5.10	5.10		39.27	
	Babanagar 4th main road									
	0.00	30.00	1	30.00	4.90	5.20	5.05		151.50	
	30.00	60.00	1	30.00	5.20	5.80	5.50		165.00	
	60.00	67.30	1	7.30	5.80	5.50	5.65		41.25	
	67.30	73.30	1		6.00	6.00	6.00			cross road
	73.30	103.30	1	30.00	6.00	5.90	5.95		178.50	
	103.30	133.30	1	30.00	5.90	6.20	6.05		181.50	
	133.30	161.60	1	28.30	6.20	5.90	6.05		171.22	
	MCECHS LAYOUT 21st cross									
	0.00	30.00	1	30.00	6.10	5.00	5.55		166.50	
	30.00	60.00	1	30.00	5.00	4.67	4.84		145.05	
	60.00	90.00	1	30.00	4.67	5.00	4.84		145.05	
	90.00	120.00	1	30.00	5.00	6.70	5.85		175.50	
	120.00	121.00	1	1.00	6.70	6.70	6.70		6.70	
	MCECHS LAYOUT 21st cross to 25th cross connected									
	0.00	30.00	1	30.00	5.00	4.30	4.65		139.50	
	30.00	60.00	1	30.00	4.30	5.50	4.90		147.00	
	60.00	67.00	1	7.00	5.50	5.50	5.50		38.50	
	MCECHS LAYOUT 20th cross road									
	0.00	30.00	1	30.00	7.00	6.20	6.60		198.00	
	30.00	60.00	1	30.00	6.20	6.30	6.25		187.50	
	60.00	90.00	1	30.00	6.30	6.70	6.50		195.00	
	90.00	120.00	1	30.00	6.70	6.30	6.50		195.00	
	120.00	139.10	1	19.10	6.30	6.50	6.40		122.24	
	Chamudeshwari layout 1st main									
	0.00	30.00	1	30.00	6.20	7.20	6.70		201.00	
	30.00	60.00	1	30.00	7.20	7.30	7.25		217.50	
	60.00	90.00	1	30.00	7.30	7.40	7.35		220.50	
	90.00	120.00	1	30.00	7.40	7.30	7.35		220.50	
	120.00	133.50	1	13.50	7.30	6.30	6.80		91.80	
	Chamudeshwari layout 2nd main									
	0.00	30.00	1	30.00	6.60	5.00	5.80		174.00	
	30.00	60.00	1	30.00	5.00	5.40	5.20		156.00	
	60.00	90.00	1	30.00	5.40	5.40	5.40		162.00	
	90.00	120.00	1	30.00	5.40	5.59	5.50		164.85	
	120.00	134.00	1	14.00	5.59	6.50	6.05		84.63	

5648.48

SLNO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	Chamudeshwari layout 2nd to 3rd main connected									
	0.00	26.00	1	26.00	7.00	7.40	7.20		187.20	
	Cross road									
	0.00	30.00	1	30.00	6.00	6.00	6.00		180.00	
	30.00	60.00	1	30.00	6.00	6.00	6.00		180.00	
	60.00	90.00	1	30.00	6.00	6.00	6.00		180.00	
	90.00	120.00	1	30.00	6.00	6.00	6.00		180.00	
	120.00	150.00	1	30.00	6.00	6.00	6.00		180.00	
	150.00	180.00	1	30.00	6.00	6.00	6.00		180.00	
	180.00	210.00	1	30.00	6.00	6.00	6.00		180.00	
	210.00	240.00	1	30.00	6.00	6.00	6.00		180.00	
	240.00	270.00	1	30.00	6.00	6.00	6.00		180.00	
	270.00	285.00	1	15.00	6.00	6.00	6.00		90.00	
	Attukal layout 1st cross									
	0.00	30.00	1	30.00	5.80	5.55	5.68		170.25	
	30.00	38.35	1	8.35	5.55	5.65	5.60		46.76	
	38.35	68.35	1	30.00	5.65	5.10	5.38		161.25	
	68.35	98.35	1	30.00	5.10	4.80	4.95		148.50	
	98.35	119.20	1	20.85	4.80	4.55	4.68		97.47	
	Attukal layout 2nd cross									
	0.00	30.00	1	30.00	7.04	6.20	6.62		198.60	
	30.00	60.00	1	30.00	6.20	6.20	6.20		186.00	
	60.00	90.00	1	30.00	6.20	6.20	6.20		186.00	
	90.00	110.30	1	20.30	6.20	6.50	6.35		128.91	
	110.30	116.30	1	6.00	6.50	11.88	9.19		55.14	
	116.30	146.30	1	30.00	11.88	6.60	9.24		277.20	
	146.30	155.60	1	9.30	6.60	6.45	6.53		60.68	
	155.60	163.50	1	7.90	6.45	10.30	8.38		66.16	3680.12
								Total Qty Work Done	**24096.36**	**Sqm**
								Deducted prime coat area	**20381.10**	**Sqm**
								Qty Payable in this bill	**3715.26**	**Sqm**
								Qty Paid in 1st Bill	**0.00**	**Sqm**
								Total Qty	**3715.26**	**Sqm**
								Qty Payable in 2nd Bill	**3715.26**	**Sqm**

Contractor Representative

22/6/24

Asst Engineer

NAWZEN CONSULTANT ★ Bangalore ★

Consultant Representative

Asst.Executive Engineer

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to Roads and Drains at Bhagath Enclave, Kalidasa layout, Chamundeshwari nagara, Babanagar, Srirampura, MCECHS Layout, Palanahalli and Surrounding areas in Ward No.05

Measurement Sheet

Second and Final Bill

Item No: 17

Item Name: KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen (VG10) on the prepared black topped surfaces at 2.5 kg per 10sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of materials , labour, HOM complete as per specification with all lead and lift and as per the direction of Engineer in-charge.

Premeasurement recorded on:

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	Kalidasa 2nd Cross Road									
	0.00	30.00	1	30.00	7.30	7.40	7.35		220.50	
	30.00	60.00	1	30.00	7.40	7.30	7.35		220.50	
	60.00	90.00	1	30.00	7.30	7.50	7.40		222.00	
	90.00	120.00	1	30.00	7.50	7.00	7.25		217.50	
	120.00	122.80	1	2.80	7.00	7.00	7.00		19.60	
	Kalidasa 1st Cross Road									
	0.00	30.00	1	30.00	7.20	7.10	7.15		214.50	
	30.00	60.00	1	30.00	7.10	7.50	7.30		219.00	
	60.00	90.00	1	30.00	7.50	7.50	7.50		225.00	
	90.00	120.00	1	30.00	7.50	8.20	7.85		235.50	
	120.00	123.00	1	3.00	7.50	8.20	7.85		23.55	
	Bagath Enclave 1st Cross Road									
	0.00	30.00	1	30.00	7.00	6.80	6.90		207.00	
	30.00	60.00	1	30.00	6.80	6.60	6.70		201.00	
	60.00	86.00	1	26.00	6.60	6.50	6.55		170.30	
	Srirampura 60ft Road									
	0.00	30.00	1	30.00	11.00	9.00	10.00		300.00	
	30.00	60.00	1	30.00	9.00	8.00	8.50		255.00	
	60.00	90.00	1	30.00	8.00	9.00	8.50		255.00	
	90.00	113.00	1	23.00	9.00	9.60	9.30		213.90	
	113.00	126.00	1	13.00	9.60	10.30	9.95		129.35	
	126.00	140.00	1	14.00	6.20	6.30	6.25		87.50	
	140.00	170.00	1	30.00	6.30	6.40	6.35		190.50	
	170.00	200.00	1	30.00	6.40	6.00	6.20		186.00	
	200.00	230.00	1	30.00	6.00	6.00	6.00		180.00	
	230.00	260.00	1	30.00	6.00	9.90	7.95		238.50	
	260.00	272.00	1	12.00	9.90	10.40	10.15		121.80	
	272.00	290.00	1	18.00	10.40	10.10	10.25		184.50	
	290.00	320.00	1	30.00	10.10	10.00	10.05		301.50	
	320.00	350.00	1	30.00	10.00	10.30	10.15		304.50	
	350.00	380.00	1	30.00	10.30	10.90	10.60		318.00	
	380.00	410.00	1	30.00	10.90	9.20	10.05		301.50	
	410.00	440.00	1	30.00	9.20	11.00	10.10		303.00	
	440.00	470.00	1	30.00	11.00	9.50	10.25		307.50	

C&FC 3/6/2024

C&FC 4/6/2024

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	470.00	500.00	1	30.00	9.50	9.70	9.60		288.00	
	500.00	530.00	1	30.00	9.70	10.00	9.85		295.50	
	530.00	560.00	1	30.00	10.00	10.40	10.20		306.00	
	560.00	590.00	1	30.00	10.40	10.40	10.40		312.00	
	590.00	620.00	1	30.00	10.40	11.50	10.95		328.50	
	620.00	650.00	1	30.00	11.50	10.00	10.75		322.50	
	650.00	680.00	1	30.00	10.00	10.30	10.15		304.50	
	680.00	710.00	1	30.00	10.30	11.30	10.80		324.00	
	710.00	740.00	1	30.00	11.30	10.00	10.65		319.50	
	740.00	770.00	1	30.00	10.00	9.30	9.65		289.50	
	770.00	800.00	1	30.00	9.30	9.70	9.50		285.00	
	800.00	830.00	1	30.00	9.70	9.70	9.70		291.00	
	830.00	860.00	1	30.00	9.70	9.70	9.70		291.00	
	860.00	898.00	1	38.00	9.70	10.10	9.90		376.20	
	cross road 1 MCECHS Layout									
	0.00	30.00	1	30.00	8.80	8.50	8.65		259.50	
	30.00	60.00	1	30.00	8.50	7.80	8.15		244.50	
	60.00	68.00	1	8.00	8.50	7.80	8.15		65.20	
	cross road 2 MCECHS Layout									
	0.00	30.00	1	30.00	14.60	8.00	11.30		339.00	
	30.00	60.00	1	30.00	8.00	8.20	8.10		243.00	
	60.00	90.00	1	30.00	8.20	8.40	8.30		249.00	
	90.00	110.00	1	20.00	8.40	9.20	8.80		176.00	
	9th cross road MCECHS Layout (Right side)									
	0.00	30.00	1	30.00	5.90	5.20	5.55		166.50	
	30.00	60.00	1	30.00	5.20	5.50	5.35		160.50	
	60.00	89.40	1	29.40	5.50	5.50	5.50		161.70	
	9th cross road MCECHS Layout (Left side)									
	0.00	30.00	1	30.00	6.40	5.90	6.15		184.50	
	30.00	60.00	1	30.00	5.90	6.00	5.95		178.50	
	60.00	90.00	1	30.00	6.00	6.60	6.30		189.00	
	90.00	102.00	1	12.00	6.60	6.30	6.45		77.40	
	Babanagar 2nd cross road									
	0.00	30.00	1	30.00	6.00	5.80	5.90		177.00	
	30.00	60.00	1	30.00	5.80	5.80	5.80		174.00	
	60.00	73.00	1	13.00	5.80	5.00	5.40		70.20	
	Babanagar 3rd cross road									
	0.00	30.00	1	30.00	4.50	4.70	4.60		138.00	
	30.00	36.30	1	6.30	4.70	4.70	4.70		29.61	
	Babanagar 2nd main road									
	0.00	30.00	1	30.00	5.90	5.90	5.90		177.00	
	30.00	60.00	1	30.00	5.90	5.95	5.93		177.75	
	60.00	67.90	1	7.90	5.95	6.00	5.98		47.20	
	67.90	74.90	1	7.00	6.00	5.90				cross road
	74.90	104.90	1	30.00	5.90	5.80	5.85		175.50	
	104.90	134.90	1	30.00	5.80	5.50	5.65		169.50	

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SLNO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	134.90	163.80	1	28.90	5.50	5.45	5.48		158.23	
	Babanagar 3rd main road									
	0.00	30.00	1	30.00	5.20	5.90	5.55		166.50	
	30.00	60.00	1	30.00	5.90	5.50	5.70		171.00	
	60.00	87.60	1	27.60	5.50	6.00	5.75		158.70	
	87.60	96.60	1	9.00	6.00	6.50				cross road
	96.60	126.60	1	30.00	6.50	5.60	6.05		181.50	
	126.60	156.60	1	30.00	5.60	5.10	5.35		160.50	
	156.60	164.30	1	7.70	5.10	5.10	5.10		39.27	
	Babanagar 4th main road									
	0.00	30.00	1	30.00	4.90	5.20	5.05		151.50	
	30.00	60.00	1	30.00	5.20	5.80	5.50		165.00	
	60.00	67.30	1	7.30	5.80	5.50	5.65		41.25	
	67.30	73.30	1		6.00	6.00	6.00			cross road
	73.30	103.30	1	30.00	6.00	5.90	5.95		178.50	
	103.30	133.30	1	30.00	5.90	6.20	6.05		181.50	
	133.30	161.60	1	28.30	6.20	5.90	6.05		171.22	
	MCECHS LAYOUT 21st cross									
	0.00	30.00	1	30.00	6.10	5.00	5.55		166.50	
	30.00	60.00	1	30.00	5.00	4.67	4.84		145.05	
	60.00	90.00	1	30.00	4.67	5.00	4.84		145.05	
	90.00	120.00	1	30.00	5.00	6.70	5.85		175.50	
	120.00	121.00	1	1.00	6.70	6.70	6.70		6.70	
	MCECHS LAYOUT 21st cross to 25th cross connected									
	0.00	30.00	1	30.00	5.00	4.30	4.65		139.50	
	30.00	60.00	1	30.00	4.30	5.50	4.90		147.00	
	60.00	67.00	1	7.00	5.50	5.50	5.50		38.50	
	MCECHS LAYOUT 20th cross road									
	0.00	30.00	1	30.00	7.00	6.20	6.60		198.00	
	30.00	60.00	1	30.00	6.20	6.30	6.25		187.50	
	60.00	90.00	1	30.00	6.30	6.70	6.50		195.00	
	90.00	120.00	1	30.00	6.70	6.30	6.50		195.00	
	120.00	139.10	1	19.10	6.30	6.50	6.40		122.24	
	Chamudeshwari layout 1st main									
	0.00	30.00	1	30.00	6.20	7.20	6.70		201.00	
	30.00	60.00	1	30.00	7.20	7.30	7.25		217.50	
	60.00	90.00	1	30.00	7.30	7.40	7.35		220.50	
	90.00	120.00	1	30.00	7.40	7.30	7.35		220.50	
	120.00	133.50	1	13.50	7.30	6.30	6.80		91.80	
	Chamudeshwari layout 2nd main									
	0.00	30.00	1	30.00	6.60	5.00	5.80		174.00	
	30.00	60.00	1	30.00	5.00	5.40	5.20		156.00	
	60.00	90.00	1	30.00	5.40	5.40	5.40		162.00	
	90.00	120.00	1	30.00	5.40	5.59	5.50		164.85	

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SLNO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	120.00	134.00	1	14.00	5.59	6.50	6.05		84.63	
	Chamudeshwari layout 2nd to 3rd main connected									
	0.00	26.00	1	26.00	7.00	7.40	7.20		187.20	
	Cross road									
	0.00	30.00	1	30.00	6.00	6.00	6.00		180.00	
	30.00	60.00	1	30.00	6.00	6.00	6.00		180.00	
	60.00	90.00	1	30.00	6.00	6.00	6.00		180.00	
	90.00	120.00	1	30.00	6.00	6.00	6.00		180.00	
	120.00	150.00	1	30.00	6.00	6.00	6.00		180.00	
	150.00	180.00	1	30.00	6.00	6.00	6.00		180.00	
	180.00	210.00	1	30.00	6.00	6.00	6.00		180.00	
	210.00	240.00	1	30.00	6.00	6.00	6.00		180.00	
	240.00	270.00	1	30.00	6.00	6.00	6.00		180.00	
	270.00	285.00	1	15.00	6.00	6.00	6.00		90.00	
	Attukal layout 1st cross									
	0.00	30.00	1	30.00	5.80	5.55	5.68		170.25	
	30.00	38.35	1	8.35	5.55	5.65	5.60		46.76	
	38.35	68.35	1	30.00	5.65	5.10	5.38		161.25	
	68.35	98.35	1	30.00	5.10	4.80	4.95		148.50	
	98.35	119.20	1	20.85	4.80	4.55	4.68		97.47	
	Attukal layout 2nd cross									
	0.00	30.00	1	30.00	7.04	6.20	6.62		198.60	
	30.00	60.00	1	30.00	6.20	6.20	6.20		186.00	
	60.00	90.00	1	30.00	6.20	6.20	6.20		186.00	
	90.00	110.30	1	20.30	6.20	6.50	6.35		128.91	
	110.30	116.30	1	6.00	6.50	11.88	9.19		55.14	
	116.30	146.30	1	30.00	11.88	6.60	9.24		277.20	
	146.30	155.60	1	9.30	6.60	6.45	6.53		60.68	
	155.60	163.50	1	7.90	6.45	10.30	8.38		66.16	3764.75
								Total Qty Work Done	**24096.36**	**Sqm**
								Qty Payable in this bill	**24096.36**	**Sqm**
								Qty Paid in 1st Bill	**2571.66**	**Sqm**
								Total Qty	**26668.02**	**Sqm**
								Qty Payable in 2nd Bill	**24096.36**	**Sqm**

Contractor Representative

Asst Engineer

NWZEN CONSULTANT Bangalore

Consultant Representative

Asst.Executive Engineer

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to Roads and Drains at Bhagath Enclave, Kalidasa layout, Chamundeshwari nagara, Babanagar, Srirampura, MCECHS Layout, Palanahalli and Surrounding areas in Ward No.05

Measurement Sheet

Second and Final Bill

Item No: **18**

Item Name: KSRRB M500-17. Providing and laying Dense Graded Bituminous Macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with mechanical paver Gr-II (50mm to 70mm) with 4.5% VG-30 bitumen with all lead and lift and as per the

Premeasurement recorded on:

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	Kalidasa 2nd Cross Road									
	0.00	30.00	1	30.00	7.30	7.40	7.35	0.050	11.03	
	30.00	60.00	1	30.00	7.40	7.30	7.35	0.050	11.03	
	60.00	90.00	1	30.00	7.30	7.50	7.40	0.050	11.10	
	90.00	120.00	1	30.00	7.50	7.00	7.25	0.050	10.88	
	120.00	122.80	1	2.80	7.00	7.00	7.00	0.050	0.98	
	Kalidasa 1st Cross Road									
	0.00	30.00	1	30.00	7.20	7.10	7.15	0.050	10.73	
	30.00	60.00	1	30.00	7.10	7.50	7.30	0.050	10.95	
	60.00	90.00	1	30.00	7.50	7.50	7.50	0.050	11.25	
	90.00	120.00	1	30.00	7.50	8.20	7.85	0.050	11.78	
	120.00	123.00	1	3.00	7.50	8.20	7.85	0.050	1.18	
	Bagath Enclave 1st Cross Road									
	0.00	30.00	1	30.00	7.00	6.80	6.90	0.050	10.35	
	30.00	60.00	1	30.00	6.80	6.60	6.70	0.050	10.05	
	60.00	86.00	1	26.00	6.60	6.50	6.55	0.050	8.52	
	Srirampura 60ft Road									
	0.00	30.00	1	30.00	11.00	9.00	10.00	0.050	15.00	
	30.00	60.00	1	30.00	9.00	8.00	8.50	0.050	12.75	
	60.00	90.00	1	30.00	8.00	9.00	8.50	0.050	12.75	
	90.00	113.00	1	23.00	9.00	9.60	9.30	0.050	10.70	
	113.00	126.00	1	13.00	9.60	10.30	9.95	0.050	6.47	
	126.00	140.00	1	14.00	6.20	6.30	6.25	0.050	4.38	
	140.00	170.00	1	30.00	6.30	6.40	6.35	0.050	9.53	
	170.00	200.00	1	30.00	6.40	6.00	6.20	0.050	9.30	
	200.00	230.00	1	30.00	6.00	6.00	6.00	0.050	9.00	
	230.00	260.00	1	30.00	6.00	9.90	7.95	0.050	11.93	
	260.00	272.00	1	12.00	9.90	10.40	10.15	0.050	6.09	
	272.00	290.00	1	18.00	10.40	10.10	10.25	0.050	9.23	
	290.00	320.00	1	30.00	10.10	10.00	10.05	0.050	15.08	
	320.00	350.00	1	30.00	10.00	10.30	10.15	0.050	15.23	

267.20

SLNO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	350.00	380.00	1	30.00	10.30	10.90	10.60	0.050	15.90	
	380.00	410.00	1	30.00	10.90	9.20	10.05	0.050	15.08	
	410.00	440.00	1	30.00	9.20	11.00	10.10	0.050	15.15	
	440.00	470.00	1	30.00	11.00	9.50	10.25	0.050	15.38	
	470.00	500.00	1	30.00	9.50	9.70	9.60	0.050	14.40	
	500.00	530.00	1	30.00	9.70	10.00	9.85	0.050	14.78	
	530.00	560.00	1	30.00	10.00	10.40	10.20	0.050	15.30	
	560.00	590.00	1	30.00	10.40	10.40	10.40	0.050	15.60	
	590.00	620.00	1	30.00	10.40	11.50	10.95	0.050	16.43	
	620.00	650.00	1	30.00	11.50	10.00	10.75	0.050	16.13	
	650.00	680.00	1	30.00	10.00	10.30	10.15	0.050	15.23	
	680.00	710.00	1	30.00	10.30	11.30	10.80	0.050	16.20	
	710.00	740.00	1	30.00	11.30	10.00	10.65	0.050	15.98	
	740.00	770.00	1	30.00	10.00	9.30	9.65	0.050	14.48	
	770.00	800.00	1	30.00	9.30	9.70	9.50	0.050	14.25	
	800.00	830.00	1	30.00	9.70	9.70	9.70	0.050	14.55	
	830.00	860.00	1	30.00	9.70	9.70	9.70	0.050	14.55	
	860.00	898.00	1	38.00	9.70	10.10	9.90	0.050	18.81	
	cross road 1 MCECHS Layout									
	0.00	30.00	1	30.00	8.80	8.50	8.65	0.050	12.98	
	30.00	60.00	1	30.00	8.50	7.80	8.15	0.050	12.23	
	60.00	68.00	1	8.00	8.50	7.80	8.15	0.050	3.26	
	cross road 2 MCECHS Layout									
	0.00	30.00	1	30.00	14.60	8.00	11.30	0.050	16.95	
	30.00	60.00	1	30.00	8.00	8.20	8.10	0.050	12.15	
	60.00	90.00	1	30.00	8.20	8.40	8.30	0.050	12.45	
	90.00	110.00	1	20.00	8.40	9.20	8.80	0.050	8.80	
	9th cross road MCECHS Layout (Right side)									
	0.00	30.00	1	30.00	5.90	5.20	5.55	0.050	8.33	
	30.00	60.00	1	30.00	5.20	5.50	5.35	0.050	8.03	
	60.00	89.40	1	29.40	5.50	5.50	5.50	0.050	8.09	
	9th cross road MCECHS Layout (Left side)									
	0.00	30.00	1	30.00	6.40	5.90	6.15	0.050	9.23	
	30.00	60.00	1	30.00	5.90	6.00	5.95	0.050	8.93	
	60.00	90.00	1	30.00	6.00	6.60	6.30	0.050	9.45	
	90.00	102.00	1	12.00	6.60	6.30	6.45	0.050	3.87	
	Babanagar 2nd cross road									
	0.00	30.00	1	30.00	6.00	5.80	5.90	0.050	8.85	
	30.00	60.00	1	30.00	5.80	5.80	5.80	0.050	8.70	
	60.00	73.00	1	13.00	5.80	5.00	5.40	0.050	3.51	
	Babanagar 3rd cross road									
	0.00	30.00	1	30.00	4.50	4.70	4.60	0.050	6.90	
	30.00	36.30	1	6.30	4.70	4.70	4.70	0.050	1.48	
	Babanagar 2nd main road									
	0.00	30.00	1	30.00	5.90	5.90	5.90	0.050	8.85	
	30.00	60.00	1	30.00	5.90	5.95	5.93	0.050	8.89	

460.05

SLNO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	60.00	67.90	1	7.90	5.95	6.00	5.98	0.050	2.36	
	67.90	74.90	1		6.00	5.90				cross road
	74.90	104.90	1	30.00	5.90	5.80	5.85	0.050	8.78	
	104.90	134.90	1	30.00	5.80	5.50	5.65	0.050	8.48	
	134.90	163.80	1	28.90	5.50	5.45	5.48	0.050	7.91	
	Babanagar 3rd main road									
	0.00	30.00	1	30.00	5.20	5.90	5.55	0.050	8.33	
	30.00	60.00	1	30.00	5.90	5.50	5.70	0.050	8.55	
	60.00	87.60	1	27.60	5.50	6.00	5.75	0.050	7.94	
	87.60	96.60	1		6.00	6.50				cross road
	96.60	126.60	1	30.00	6.50	5.60	6.05	0.050	9.08	
	126.60	156.60	1	30.00	5.60	5.10	5.35	0.050	8.03	
	156.60	164.30	1	7.70	5.10	5.10	5.10	0.050	1.96	
	Babanagar 4th main road									
	0.00	30.00	1	30.00	4.90	5.20	5.05	0.050	7.58	
	30.00	60.00	1	30.00	5.20	5.80	5.50	0.050	8.25	
	60.00	67.30	1	7.30	5.80	5.50	5.65	0.050	2.06	
	67.30	73.30	1	6.00	6.00	6.00	6.00			cross road
	73.30	103.30	1	30.00	6.00	5.90	5.95	0.050	8.93	
	103.30	133.30	1	30.00	5.90	6.20	6.05	0.050	9.08	
	133.30	161.60	1	28.30	6.20	5.90	6.05	0.050	8.56	
	MCECHS LAYOUT 21st cross									
	0.00	30.00	1	30.00	2.00	2.00	2.00	0.050	3.00	
	30.00	60.00	1	30.00	2.00	2.00	2.00	0.050	3.00	
	60.00	90.00	1	30.00	2.00	2.00	2.00	0.050	3.00	
	90.00	120.00	1	30.00	2.00	2.00	2.00	0.050	3.00	
	120.00	121.00	1	1.00	2.00	2.00	2.00	0.050	0.10	
	MCECHS LAYOUT 21st cross to 25th cross connected									
	0.00	30.00	1	30.00	2.00	2.00	2.00	0.050	3.00	
	30.00	60.00	1	30.00	2.00	2.00	2.00	0.050	3.00	
	60.00	67.00	1	7.00	2.00	2.20	2.10	0.050	0.74	
	MCECHS LAYOUT 20th cross road									
	0.00	30.00	1	30.00	2.00	2.00	2.00	0.050	3.00	
	30.00	60.00	1	30.00	2.00	2.00	2.00	0.050	3.00	
	60.00	90.00	1	30.00	2.00	2.00	2.00	0.050	3.00	
	90.00	120.00	1	30.00	2.00	2.00	2.00	0.050	3.00	
	120.00	139.10	1	19.10	2.00	2.00	2.00	0.050	1.91	
	Chamudeshwari layout 1st main									
	0.00	30.00	1	30.00	2.00	2.20	2.10	0.050	3.15	
	30.00	60.00	1	30.00	2.20	2.20	2.20	0.050	3.30	
	60.00	90.00	1	30.00	2.20	2.00	2.10	0.050	3.15	
	90.00	120.00	1	30.00	2.00	2.10	2.05	0.050	3.08	

SLNO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	120.00	133.50	1	13.50	2.10	2.00	2.05	0.050	1.38	
	Chamudeshwari layout 2nd main									
	0.00	30.00	1	30.00	6.60	5.00	5.80	0.050	8.70	
	30.00	60.00	1	30.00	5.00	5.40	5.20	0.050	7.80	
	60.00	90.00	1	30.00	5.40	5.40	5.40	0.050	8.10	
	90.00	120.00	1	30.00	5.40	5.59	5.50	0.050	8.24	
	120.00	134.00	1	14.00	5.59	6.50	6.05	0.050	4.23	
	Chamudeshwari layout 2nd to 3rd main connected									
	0.00	26.00	1	26.00	2.20	2.20	2.20	0.050	2.86	
	Attukal layout 1st cross									
	0.00	30.00	1	30.00	5.80	5.55	5.68	0.050	8.51	
	30.00	38.35	1	8.35	5.55	5.65	5.60	0.050	2.34	
	38.35	68.35	1	30.00	5.65	5.10	5.38	0.050	8.06	
	68.35	98.35	1	30.00	5.10	4.80	4.95	0.050	7.43	
	98.35	119.20	1	20.85	4.80	4.55	4.68	0.050	4.87	
	Attukal layout 2nd cross									
	0.00	30.00	1	30.00	7.04	6.20	6.62	0.050	9.93	
	30.00	60.00	1	30.00	6.20	6.20	6.20	0.050	9.30	
	60.00	90.00	1	30.00	6.20	6.20	6.20	0.050	9.30	
	90.00	110.30	1	20.30	6.20	6.50	6.35	0.050	6.45	
	110.30	116.30	1	6.00	6.50	11.88	9.19	0.050	2.76	
	116.30	146.30	1	30.00	11.88	6.60	9.24	0.050	13.86	
	146.30	155.60	1	9.30	6.60	6.45	6.53	0.050	3.03	
	155.60	163.50	1	7.90	6.45	10.30	8.38	0.050	3.31	
								Total Qty Work Done	**1018.98**	**Cum**
								Qty Payable in this bill	**1018.98**	**Cum**
								Qty Paid in 1st Bill	**128.58**	**Cum**
								Total Qty	**1147.56**	**Cum**
								Qty Payable in 2nd Bill	**1018.98**	**Cum**

Contractor Representative

Consultant Representative

NEEVZEN CONSULTANTS Bangalore

Asst Engineer

Asst.Executive Engineer
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ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-26

Name of Work: Improvements to Roads and Drains at Bhagath Enclave, Kalidasa layout, Chamundeshwari nagara, Babanagar, Srirampura, MCECHS Layout, Palanahalli and Surrounding areas in Ward No.05

MEASUREMENT SHEETS

"SECOND AND FINAL BILL"

Name of Work: Improvements to Roads and Drains at Bhagath Enclave, Kalidasa layout, Chamundeshwari nagara, Babanagar, Srirampura, MCECHS Layout, Palanahalli and Surrounding areas in Ward No.05

Detailed Measurements

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
1	Removing and Refixing stone slabs of drains and pointing in C.M(1:3) with all lead and lift and as per the directioon of Engineer in -charge								
	Vide pre-measurement page no. 01					207.41			24059.56
					Present Qty	**207.41**	**Sqm**	**116.00**	**24058.98**
2	KSRRB300 - Excavation for road, drains and similar works ,KSRRB300-1 : Earthwork excavation by manual means in ordinary soil involving as average horizontal throw upto 2 mters and an average lifts upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications with all lead and lift and as per the direction of Engineer in-charge.								
	Vide pre-measurement page no. 02 to 04					542.41			.97
					Present Qty	**542.41**	**Cum**	**217.00**	**117702.86**
3	providng granite slabs of selecting quality roughly dressed having a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing etc., complete with all lead and lifts and as per the direction of Engineer in-charge.								
	Vide pre-measurement page no. 05					119.53			93113.87
					Present Qty	**119.53**	**Sqm**	**779.00**	**93110.75**
4	KSRB M2100-10 : Providing and laying plain cement concrete of Mix 1:3:6 with OPC @ 220kgs,with crushed 40mm and down size graded granite mental coarse aggregate @ 0.89 cum and fine aggregate @ 0.46 cum, in foundation mechanically mixed , placed in foundation and compacted by vibration including curing for 14 days including cost of all material , labour, HOM curing, form work ,scaffolding and centering complete as per specifications.								
	Vide pre-measurement page no. 06 to 07					315.47			1795655.24
					Present Qty	**315.47**	**Cum**	**5692.00**	**1795631.48**
5	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of								
	Vide pre-measurement page no. 08 to 09					128.05			950515.15
					Present Qty	**128.05**	**Cum**	**7423.00**	**950522.57**
6	KSRRB M 2200-6 Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of								
	Vide pre-measurement page no. 10					9.76			741135.36
					Present Qty	**9.76**	**Tn**	**75936.00**	**741279.81**
7	KSRB 5.2-3: Providing and constructing granite / trap / baslt size stone masonary in foundation with cement mortar, stone hammered dressed in course not less then 20 cms high, bond stones at 2m, apart in each course including cost materials, labour, curing complete as per specifications.								
	Vide pre-measurement page no. 11					9.16			46846.24
					Present Qty	**9.16**	**Cum**	**5114.00**	**46836.06**

Contractor

NEWZEN CONSULTANT Consultant Bangalore

Asst. Engineer

Asst. E

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Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
8	KSRB 4-1.6: Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC at 240kgs, with 20mm and down size granite metal coarse aggregates at 0.878 cum and fine aggregates at 0.53cum machine mixed concrete laid in layers not exceeding 15cms thick well								
	Vide pre-measurement page no. 12 to 14					48.15			290537.71
					Present Qty	**48.15**	**Cum**	**6034.00**	**290549.77**
9	KSRB 5-14: providing and contructing load bearing wall with solid concrete blocks of size 400*150*200mm having block density not lessthen 1800kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185(part):2005 and constructed with 1:4 , as per IS 2572:2005 including cost of all materials, labours charges , scaffolding , curing complete as per specifications.								
	Vide pre-measurement page no. 15					407.47			418879.16
					Present Qty	**407.47**	**Sqm**	**1028.00**	**418881.22**
12	KSRRB M300-14. Excavation for roadwork in soil with hydralic excavation of 0.9cum bucket capacity including cutting and loading tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross section , and transportating to the embankment location to a lead of 1 km and complete as per specifications with all lead and lift and as per the direction of engineer in -charge								
	Vide pre-measurement page no. 16 to 17					1801.80			.00
					Present Qty	**1801.80**	**Cum**	**60.00**	**108108.13**
13	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/trap/basalt material, mixing in a mechanical mix plant at OMC , Carriage of mixed materials to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications with all lead and lift and as per direction of Engineer In-charge								
	Vide pre-measurement page no. 18-19 678.62 + 50.05 =					3443.12	728.67		152583.98
	upto 125% 678.62 x 2094 = 1421030.28				**Present Qty**	**3443.12**	**Cum**	**2094.00**	**7209893.28**
	Above 125% 50.05 x 2094 = 104804.70 = 152583.98								
14	KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers								
	Vide pre-measurement page no. 20 to 21 1017.92 + 75.41 =					5165.02	1093.33		2297086.33
	upto 125% 1017.92 x 2101 = 2138649.92				**Present Qty**	**5165.02**	**Cum**	**2101.00**	**10851707.02**
	Above 125% 75.41 x 2101 = 158436.41 = 2297086.33								
15	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications with all lead and lift and as per the direction of Engineer in-charge								
	Vide pre-measurement page no. 22 to 25					20381.10			611433.00
					Present Qty	**20381.10**	**Cum**	**30.00**	**611432.96**
16	KSRRB 500-2 : Cleaning the existing black topped surfce with brooms, soft brushes and finally dusting with old gunny bags and /or compressed air to receive bituminous treatment including cost of all materials, labour, HOM curing, complete as per specificatioons.								
	Vide pre-measurement page no. 26 to 29					3715.27			.56
					Present Qty	**3715.27**	**Sqm**	**6.00**	**22291.59**
17	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen (VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications, with all lead and lift and as per the direction of Engineer in-charge.								

Contractor

NEWZEN CONSULTANT Consultant Bangalore

Asst. Engineer

Asst. Ex

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Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
	Vide pre-measurement page no. 30 to 33								.65
					Present Qty	**24096.36**	**Sqm**	**13.00**	**313252.73**

18	KSRRB M500-17. Providing and laying Dense Graded Bituminous Macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as								
	Vide pre-measurement page no. 34 to 37					1018.98			.68
					Present Qty	**1018.98**	**Cum**	**6926.00**	**7057455.05**

Contractor

NEWZEN CONSULTANT Bangalore Consultant

Asst. Engineer

Asst. Exec. Engineer

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to Roads and Drains at Bhagath Enclave, Kalidasa layout, Chamundeshwari nagara, Babanagar, Srirampura, MCECHS Layout, Palanahalli and Surrounding areas in Ward No.05

Measurement Sheet

Second and Final Bill

Item No: **10**

Item Name: Providing and Fixing RCC pre cast covering Slab of 100mm thick for drains in cement concrete M25 using graded granite jelly 20mm and down size with steel reinforecement , inclunding form work, lift charges, curing and concrete finishined surfaces on both side etc., complete as per drawing and the directions of Engineer

Premeasurement recorded on:

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS	RATE	AMOUNT
	Durgambha layout 3rd main road(RHS)											
	0.00	30.00	1	30.00	0.90				27.00			
	30.00	39.20	1	9.20	0.90				8.28			
	39.20	45.50	1	6.30	0.90				5.67			
	45.50	72.10	1	26.60	0.90				23.94			
	Durgambha layout 3rd main road(LHS)											
	0.00	29.00	1	29.00	0.90				26.10			
	29.00	37.20	1	8.20						Culvert		
	37.20	63.20	1	26.00	0.90				23.40	flagging course		
	Durgambha layout 2nd main road(RHS)											
	0.00	26.00	1	26.00						BS		
	26.00	53.00	1	27.00	0.90				24.30			
	53.00	62.40	1	9.40						BS		
	62.40	92.40	1	30.00	0.90				27.00			
	92.40	99.00	1	6.60	0.90				5.94			
	99.00	116.90	1	17.90						BS		
	116.90	125.90	1	9.00	0.90				8.10			
	125.90	133.30	1	7.40	0.90				6.66			
	Durgambha layout 2nd main road(LHS)											
	0.00	30.00	1	30.00	0.90				27.00			
	30.00	36.00	1	6.00	0.90				5.40			
	36.00	45.00	1	9.00						BS		
	45.00	75.00	1	30.00	0.90				27.00			
	75.00	82.10	1	7.10	0.90				6.39			
	82.10	90.70	1	8.60						BS		
	90.70	108.40	1	17.70	0.90				15.93			
	108.40	117.70	1	9.30	0.90				8.37			
	Durgambha layout 1st main 1st road(RHS)											
	0.00	30.00	1	30.00	0.90				27.00			
	30.00	33.90	1	3.90	0.90				3.51			

306.99

SLNO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS	RATE	AMOUNT
	Land Mark			(m)	(m)	(m)	(m)	(m)				
	Durgambha layout 1st main 1st road(LHS)											
	0.00	13.00	1	13.00	0.90				11.70			
	13.00	25.40	1	12.40						BS		
	Durgambha layout 1st main road(RHS)											
	0.00	30.00	1	30.00	0.90				27.00			
	30.00	56.60	1	26.60	0.90				23.94			
	56.60	66.00	1	9.40						BS		
	66.00	93.00	1	27.00	0.90				24.30			
	93.00	123.00	1	30.00						BS		
	175.50	184.80	1	9.30	0.90				8.37			
	193.80	210.80	1	17.00	0.90				15.30			
	Durgambha layout 1st main road(LHS)											
	0.00	21.40	1	21.40	0.90				19.26			
	21.40	46.00	1	24.60	0.90				22.14			
	46.00	54.30	1	8.30						BS		
	54.30	72.10	1	17.80	0.90				16.02			
	72.10	90.50	1	18.40						BS		
	137.10	167.10	1	30.00	0.90				27.00			
	174.10	204.10	1	30.00	0.90				27.00			
	204.10	217.64	1	13.54	0.90				12.19			
	Kattigenahalli 2nd main link road											
	0.00	30.00	1	30.00	0.90				27.00			
	30.00	60.00	1	30.00	0.90				27.00			
	60.00	90.00	1	30.00	0.90				27.00			
	90.00	92.00	1	2.00	0.90				1.80			
	Palnhalli cross road											
	0.00	14.30	1	14.30	0.90				12.87			
	14.30	20.30	1	6.00						culvert		
	20.30	38.30	1	18.00	0.90				16.20			
	Reva College Connecting Drain											
	0.00	20.00	1	20.00	1.20				24.00			
	Srirampura 60ft Road (RHS)											
	0.00	30.00	1	30.00	1.20				36.00			
	30.00	60.00	1	30.00	1.20				36.00			
	60.00	90.00	1	30.00	1.20				36.00			
	90.00	120.00	1	30.00	1.20				36.00			
	120.00	150.00	1	30.00	1.20				36.00			
	150.00	180.00	1	30.00	1.20				36.00			
	180.00	210.00	1	30.00	1.20				36.00			
	210.00	240.00	1	30.00	1.20				36.00			
	240.00	270.00	1	30.00	1.20				36.00			
	270.00	300.00	1	30.00	1.20				36.00			
	300.00	330.00	1	30.00	1.20				36.00			
	330.00	360.00	1	30.00	1.20				36.00			
	360.00	390.00	1	30.00	1.20				36.00			
	390.00	420.00	1	30.00	1.20				36.00			

838.69

SLNO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS	RATE	AMOUNT
	Land Mark			(m)	(m)	(m)	(m)	(m)				
	420.00	450.00	1	30.00	1.20				36.00			
	450.00	480.00	1	30.00	1.20				36.00			
	480.00	510.00	1	30.00	1.20				36.00			
	510.00	540.00	1	30.00	1.20				36.00			
	540.00	570.00	1	30.00	1.20				36.00			
	570.00	600.00	1	30.00	1.20				36.00			
	600.00	630.00	1	30.00	1.20				36.00			
	630.00	645.00	1	15.00	1.20				18.00			
	RCC Drain Missing Slab											
	Vinayakanagara											
	5th Main Road											
	LHS From End											
	4.90	13.80	1	8.90	0.90				8.01			
	64.90	81.90	1	17.00	0.90				15.30			
	97.30	127.30	1	30.00	0.90				27.00			
	210.00	220.40	1	10.40	0.90				9.36			
	RHS From Main Rd											
	60.00	71.80	1	11.80	0.90				10.62			
	101.80	129.20	1	27.40	0.90				24.66			
	Cross Road 02											
	RHS From 2nd Main Rd											
	17.10	32.20	1	15.10	0.90				13.59			
								Total Qty Work Done	**1559.62**	**Sqm**		
								Qty Payable in this bill	**1559.62**	**Sqm**		
								Qty Paid in 1st Bill	**3649.23**	**Sqm**		
								Total Qty	**5208.85**	**Sqm**		3825747.86
								Qty Payable in 2nd Bill	**1559.62**	**Sqm**	**2453.00**	**3825738.05**

Contractor Representative

NEWZEN CONSULTANT BANGALORE

Consultant

Asst Engineer

Asst Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to Roads and Drains at Bhagath Enclave, Kalidasa layout, Chamundeshwari nagara, Babanagar, Srirampura, MCECHS Layout, Palanahalli and Surrounding areas in Ward No.05

Measurement Sheet

Second and Final Bill

Item No: **11**

Item Name: Providing and Fixing pre cast covering Slab 250mm thick made out of M25 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of all materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge.

Premeasurement recorded on:

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS	RATE	AMOUNT
	For ssm culvert											
	Durgambha layout 3rd main road(LHS)											
	29.00	37.20	1	8.20	1.20				9.84			
	Chamundeshwari layout 1st cross											
	0.00	7.70	1	7.70	1.50				11.55			
	palnhalli 25th cross											
	0.00	6.00	1	6.00	1.20				7.20			
	Alpha school road											
	0.00	6.80	1	6.80	1.20				8.16			
								Total Qty Work Done	**36.75**	**Sqm**		
								Qty Payable in this bill	**36.75**	**Sqm**		
								Qty Paid in 1st Bill	**155.16**	**Sqm**		
								Total Qty	**191.91**	**Sqm**		
								Qty Payable in 2nd Bill	**36.75**	**Sqm**	**5688.00**	**209034.00**

Contractor Representative

Asst Engineer

Consultant Representative

NIWZEN CONSULTANTS Bangalore

Asst.Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to Roads and Drains at Bhagath Enclave, Kalidasa layo Chamundeshwari nagara, Babanagar, Srirampura, MCECHS Layout, Palanahalli and Surrounding areas in Ward No.05

Measurement Sheet

Second and Final Bill

Item No: 19

Item Name: Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision as per IRC SP- 53-2015.do-using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm)

Measurement recorded on:

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS	RATE	AMOUNT
	Kalidasa 2nd Cross Road											
	0.00	30.00	1	30.00	7.30	7.40	7.35	0.04	8.82			
	30.00	60.00	1	30.00	7.40	7.30	7.35	0.04	8.82			
	60.00	90.00	1	30.00	7.30	7.50	7.40	0.04	8.88			
	90.00	120.00	1	30.00	7.50	7.00	7.25	0.04	8.70			
	120.00	122.80	1	2.80	7.00	7.00	7.00	0.04	0.78			
	Kalidasa 1st Cross Road											
	0.00	30.00	1	30.00	7.20	7.10	7.15	0.04	8.58			
	30.00	60.00	1	30.00	7.10	7.50	7.30	0.04	8.76			
	60.00	90.00	1	30.00	7.50	7.50	7.50	0.04	9.00			
	90.00	120.00	1	30.00	7.50	8.20	7.85	0.04	9.42			
	120.00	123.00	1	3.00	7.50	8.20	7.85	0.04	0.94			
	Bagath Enclave 1st Cross Road											
	0.00	30.00	1	30.00	7.00	6.80	6.90	0.04	8.28			
	30.00	60.00	1	30.00	6.80	6.60	6.70	0.04	8.04			
	60.00	86.00	1	26.00	6.60	6.50	6.55	0.04	6.81			
	Srirampura 60ft Road											
	0.00	30.00	1	30.00	11.00	9.00	10.00	0.04	12.00			
	30.00	60.00	1	30.00	9.00	8.00	8.50	0.04	10.20			
	60.00	90.00	1	30.00	8.00	9.00	8.50	0.04	10.20			
	90.00	113.00	1	23.00	9.00	9.60	9.30	0.04	8.56			
	113.00	126.00	1	13.00	9.60	10.30	9.95	0.04	5.17			
	126.00	140.00	1	14.00	6.20	6.30	6.25	0.04	3.50			
	140.00	170.00	1	30.00	6.30	6.40	6.35	0.04	7.62			
	170.00	200.00	1	30.00	6.40	6.00	6.20	0.04	7.44			
	200.00	230.00	1	30.00	6.00	6.00	6.00	0.04	7.20			
	230.00	260.00	1	30.00	6.00	9.90	7.95	0.04	9.54			
	260.00	272.00	1	12.00	9.90	10.40	10.15	0.04	4.87			
	272.00	290.00	1	18.00	10.40	10.10	10.25	0.04	7.38			
	290.00	320.00	1	30.00	10.10	10.00	10.05	0.04	12.06			
	320.00	350.00	1	30.00	10.00	10.30	10.15	0.04	12.18			

213.76

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS	RATE	AMOUNT
	350.00	380.00	1	30.00	10.30	10.90	10.60	0.04	12.72			
	380.00	410.00	1	30.00	10.90	9.20	10.05	0.04	12.06			
	410.00	440.00	1	30.00	9.20	11.00	10.10	0.04	12.12			
	440.00	470.00	1	30.00	11.00	9.50	10.25	0.04	12.30			
	470.00	500.00	1	30.00	9.50	9.70	9.60	0.04	11.52			
	500.00	530.00	1	30.00	9.70	10.00	9.85	0.04	11.82			
	530.00	560.00	1	30.00	10.00	10.40	10.20	0.04	12.24			
	560.00	590.00	1	30.00	10.40	10.40	10.40	0.04	12.48			
	590.00	620.00	1	30.00	10.40	11.50	10.95	0.04	13.14			
	620.00	650.00	1	30.00	11.50	10.00	10.75	0.04	12.90			
	650.00	680.00	1	30.00	10.00	10.30	10.15	0.04	12.18			
	680.00	710.00	1	30.00	10.30	11.30	10.80	0.04	12.96			
	710.00	740.00	1	30.00	11.30	10.00	10.65	0.04	12.78			
	740.00	770.00	1	30.00	10.00	9.30	9.65	0.04	11.58			
	770.00	800.00	1	30.00	9.30	9.70	9.50	0.04	11.40			
	800.00	830.00	1	30.00	9.70	9.70	9.70	0.04	11.64			
	830.00	860.00	1	30.00	9.70	9.70	9.70	0.04	11.64			
	860.00	898.00	1	38.00	9.70	10.10	9.90	0.04	15.05			
	cross road 1 MCECHS Layout											
	0.00	30.00	1	30.00	8.80	8.50	8.65	0.04	10.38			
	30.00	60.00	1	30.00	8.50	7.80	8.15	0.04	9.78			
	60.00	68.00	1	8.00	8.50	7.80	8.15	0.04	2.61			
	cross road 2 MCECHS Layout											
	0.00	30.00	1	30.00	14.60	8.00	11.30	0.04	13.56			
	30.00	60.00	1	30.00	8.00	8.20	8.10	0.04	9.72			
	60.00	90.00	1	30.00	8.20	8.40	8.30	0.04	9.96			
	90.00	110.00	1	20.00	8.40	9.20	8.80	0.04	7.04			
	9th cross road MCECHS Layout (Right side)											
	0.00	30.00	1	30.00	5.90	5.20	5.55	0.04	6.66			
	30.00	60.00	1	30.00	5.20	5.50	5.35	0.04	6.42			
	60.00	89.40	1	29.40	5.50	5.50	5.50	0.04	6.47			
	9th cross road MCECHS Layout (Left side)											
	0.00	30.00	1	30.00	6.40	5.90	6.15	0.04	7.38			
	30.00	60.00	1	30.00	5.90	6.00	5.95	0.04	7.14			
	60.00	90.00	1	30.00	6.00	6.60	6.30	0.04	7.56			
	90.00	102.00	1	12.00	6.60	6.30	6.45	0.04	3.10			
	Babanagar 2nd cross road											
	0.00	30.00	1	30.00	6.00	5.80	5.90	0.04	7.08			
	30.00	60.00	1	30.00	5.80	5.80	5.80	0.04	6.96			
	60.00	73.00	1	13.00	5.80	5.00	5.40	0.04	2.81			
	Babanagar 3rd cross road											
	0.00	30.00	1	30.00	4.50	4.70	4.60	0.04	5.52			
	30.00	36.30	1	6.30	4.70	4.70	4.70	0.04	1.18			
	Babanagar 2nd main road											
	0.00	30.00	1	30.00	5.90	5.90	5.90	0.04	7.08			
	30.00	60.00	1	30.00	5.90	5.95	5.93	0.04	7.11			
	60.00	67.90	1	7.90	5.95	6.00	5.98	0.04	1.89			
	67.90	74.90	1	7.00	6.00	5.90				cross road		

369.93

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS	RATE	AMOUNT
	74.90	104.90	1	30.00	5.90	5.80	5.85	0.04	7.02			
	104.90	134.90	1	30.00	5.80	5.50	5.65	0.04	6.78			
	134.90	163.80	1	28.90	5.50	5.45	5.48	0.04	6.33			
	Babanagar 3rd main road											
	0.00	30.00	1	30.00	5.20	5.90	5.55	0.04	6.66			
	30.00	60.00	1	30.00	5.90	5.50	5.70	0.04	6.84			
	60.00	87.60	1	27.60	5.50	6.00	5.75	0.04	6.35			
	87.60	96.60	1	9.00	6.00	6.50				cross road		
	96.60	126.60	1	30.00	6.50	5.60	6.05	0.04	7.26			
	126.60	156.60	1	30.00	5.60	5.10	5.35	0.04	6.42			
	156.60	164.30	1	7.70	5.10	5.10	5.10	0.04	1.57			
	Babanagar 4th main road											
	0.00	30.00	1	30.00	4.90	5.20	5.05	0.04	6.06			
	30.00	60.00	1	30.00	5.20	5.80	5.50	0.04	6.60			
	60.00	67.30	1	7.30	5.80	5.50	5.65	0.04	1.65			
	67.30	73.30	1		6.00	6.00	6.00	0.04		cross road		
	73.30	103.30	1	30.00	6.00	5.90	5.95	0.04	7.14			
	103.30	133.30	1	30.00	5.90	6.20	6.05	0.04	7.26			
	133.30	161.60	1	28.30	6.20	5.90	6.05	0.04	6.85			
	MCECHS LAYOUT 21st cross											
	0.00	30.00	1	30.00	6.10	5.50	5.80	0.04	6.96			
	30.00	60.00	1	30.00	5.50	5.50	5.50	0.04	6.60			
	60.00	90.00	1	30.00	5.50	5.50	5.50	0.04	6.60			
	90.00	120.00	1	30.00	5.50	6.70	6.10	0.04	7.32			
	120.00	121.00	1	1.00	6.70	6.70	6.70	0.04	0.27			
	MCECHS LAYOUT 21st cross to 25th cross connected											
	0.00	30.00	1	30.00	5.50	5.50	5.50	0.04	6.60			
	30.00	60.00	1	30.00	5.50	5.50	5.50	0.04	6.60			
	60.00	67.00	1	7.00	5.50	5.50	5.50	0.04	1.54			
	MCECHS LAYOUT 20th cross road											
	0.00	30.00	1	30.00	7.00	6.20	6.60	0.04	7.92			
	30.00	60.00	1	30.00	6.20	6.30	6.25	0.04	7.50			
	60.00	90.00	1	30.00	6.30	6.70	6.50	0.04	7.80			
	90.00	120.00	1	30.00	6.70	6.30	6.50	0.04	7.80			
	120.00	139.10	1	19.10	6.30	6.50	6.40	0.04	4.89			
	Chamudeshwari layout 1st main											
	0.00	30.00	1	30.00	6.20	7.20	6.70	0.04	8.04			
	30.00	60.00	1	30.00	7.20	7.30	7.25	0.04	8.70			
	60.00	90.00	1	30.00	7.30	7.40	7.35	0.04	8.82			
	90.00	120.00	1	30.00	7.40	7.30	7.35	0.04	8.82			
	120.00	133.50	1	13.50	7.30	6.30	6.80	0.04	3.67			
	Chamudeshwari layout 2nd main											
	0.00	30.00	1	30.00	6.60	5.00	5.80	0.04	6.96			
	30.00	60.00	1	30.00	5.00	5.40	5.20	0.04	6.24			
	60.00	90.00	1	30.00	5.40	5.40	5.40	0.04	6.48			
	90.00	120.00	1	30.00	5.40	5.59	5.50	0.04	6.59			

233.51

SLNO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS	RATE	AMOUNT
	Land Mark			(m)	(m)	(m)	(m)	(m)				
	120.00	134.00	1	14.00	5.59	6.50	6.05	0.04	3.39			
	Chamudeshwari layout 2nd to 3rd main connected											
	0.00	26.00	1	26.00	7.00	7.40	7.20	0.04	7.49			
	Cross road											
	0.00	30.00	1	30.00	6.00	6.00	6.00	0.04	7.20			
	30.00	60.00	1	30.00	6.00	6.00	6.00	0.04	7.20			
	60.00	90.00	1	30.00	6.00	6.00	6.00	0.04	7.20			
	90.00	120.00	1	30.00	6.00	6.00	6.00	0.04	7.20			
	120.00	150.00	1	30.00	6.00	6.00	6.00	0.04	7.20			
	150.00	180.00	1	30.00	6.00	6.00	6.00	0.04	7.20			
	180.00	210.00	1	30.00	6.00	6.00	6.00	0.04	7.20			
	210.00	240.00	1	30.00	6.00	6.00	6.00	0.04	7.20			
	240.00	270.00	1	30.00	6.00	6.00	6.00	0.04	7.20			
	270.00	285.00	1	15.00	6.00	6.00	6.00	0.04	3.60			
	Attukal layout 1st cross											
	0.00	30.00	1	30.00	5.80	5.55	5.68	0.04	6.81			
	30.00	38.35	1	8.35	5.55	5.65	5.60	0.04	1.87			
	38.35	68.35	1	30.00	5.65	5.10	5.38	0.04	6.45			
	68.35	98.35	1	30.00	5.10	4.80	4.95	0.04	5.94			
	98.35	119.20	1	20.85	4.80	4.55	4.68	0.04	3.90			
	Attukal layout 2nd cross											
	0.00	30.00	1	30.00	7.04	6.20	6.62	0.04	7.94			
	30.00	60.00	1	30.00	6.20	6.20	6.20	0.04	7.44			
	60.00	90.00	1	30.00	6.20	6.20	6.20	0.04	7.44			
	90.00	110.30	1	20.30	6.20	6.50	6.35	0.04	5.16			
	110.30	116.30	1	6.00	6.50	11.88	9.19	0.04	2.21			
	116.30	146.30	1	30.00	11.88	6.60	9.24	0.04	11.09			
	146.30	155.60	1	9.30	6.60	6.45	6.53	0.04	2.43			
	155.60	163.50	1	7.90	6.45	10.30	8.38	0.04	2.65	150.59		
								Total Qty Work Done	967.79	Cum		
								Qty Payable in this bill	967.79	Cum		
								Qty Paid in 1st Bill	102.87	Cum		
								Total Qty	1070.66	Cum		7877810.60
								Qty Payable in 2nd Bill	967.79	Cum	8140.00	7877815.08

Contractor Representative

Consultant Representative

NEELEEN CONSULTANT * Bangalore

Asst Engineer

Asst.Executive Engineer

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ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to Roads and Drains at Bhagath Enclave, Kalidasa layout, Chamundeshwari nagara, Babanagar, Srirampura, MCECHS Layout, Palanahalli and Surrounding areas in Ward No.05

Measurement Sheet

Second and Final Bill

Item No: 21

Item Name: Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to 18:383-2016, with Superplastizer at 3 Its conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour,hire charges of machineries,all lead & lift charges etc., complete as per specifications. do- with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum. Page No.176. Item No.22.6.1

Measurement recorded on:

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS	RATE	AMOUNT
	Babanagar 1st cross road											
	0.00	30.00	1	30.00	4.50	4.20	4.35	0.15	19.58			
	30.00	60.00	1	30.00	4.20	4.30	4.25	0.15	19.13			
	60.00	90.00	1	30.00	4.30	4.30	4.30	0.15	19.35			
	90.00	120.00	1	30.00	4.30	4.30	4.30	0.15	19.35			
	120.00	150.00	1	30.00	4.30	4.30	4.30	0.15	19.35			
	150.00	180.00	1	30.00	4.40	4.50	4.45	0.15	20.03			
	180.00	183.50	1	3.50	4.50	4.50	4.50	0.15	2.36			
	Chamudeshwari layout 3rd main											
	0.00	30.00	1	30.00	5.60	5.00	5.30	0.15	23.85			
	30.00	60.00	1	30.00	5.00	4.40	4.70	0.15	21.15			
	60.00	90.00	1	30.00	4.40	4.50	4.45	0.15	20.03			
	90.00	110.00	1	20.00	4.50	4.50	4.50	0.15	13.50			
	110.00	140.00	1	30.00	4.50	4.50	4.50	0.15	20.25			
	140.00	168.50	1	28.50	4.50	5.00	4.75	0.15	20.31			
	168.50	180.90	1	12.40	5.00	5.20	5.10	0.15	9.49			
								Total Qty Work Done	**247.70**	**Cum**		
								Qty Payable in this bill	**247.70**	**Cum**		
								Qty Paid in 1st Bill	**0.00**	**Cum**		
								Total Qty	**247.70**	**Cum**		1354919.00
								Qty Payable in 2nd Bill	**247.70**	**Cum**	**5470.00**	**1354944.98**

Contractor Representative

Consultant Representative

NEWZEN CONSULTANT Bangalore

Asst Engineer

Asst. Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:Improvements to Roads and drains works at Kattigenahalli Main and Cross, Sirinagara, Niranthara layout, SriKrishna Garden, ShivaShankar layout, Varaha layout, Bindu layout and Surrounding areas in Ward No-05

Measurement Sheet

Second and Final Bill

Item No: **20**

Item Name: KSRRB M800-13. Road Marking with Hot Applied 'Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications with all lead and lift and as per

Premeasurement recorded on:

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS	RATE	AMOUNT
	Kalidasa 2nd Cross Road											
	0.00	30.00	2	30.00	0.10	0.10	0.10		6.00			
	30.00	60.00	2	30.00	0.10	0.10	0.10		6.00			
	60.00	90.00	2	30.00	0.10	0.10	0.10		6.00			
	90.00	120.00	2	30.00	0.10	0.10	0.10		6.00			
	120.00	122.80	2	2.80	0.10	0.10	0.10		0.56			
	Kalidasa 1st Cross Road											
	0.00	30.00	2	30.00	0.10	0.10	0.10		6.00			
	30.00	60.00	2	30.00	0.10	0.10	0.10		6.00			
	60.00	90.00	2	30.00	0.10	0.10	0.10		6.00			
	90.00	120.00	2	30.00	0.10	0.10	0.10		6.00			
	120.00	123.00	2	3.00	0.10	0.10	0.10		0.60			
	Bagath Enclave 1st Cross Road											
	0.00	30.00	2	30.00	0.10	0.10	0.10		6.00			
	30.00	60.00	2	30.00	0.10	0.10	0.10		6.00			
	60.00	86.00	2	26.00	0.10	0.10	0.10		5.20			
	Srirampura 60ft Road											
	0.00	30.00	2.0	30.00	0.15	0.15	0.15		9.00			
	30.00	60.00	2.0	30.00	0.15	0.15	0.15		9.00			
	60.00	90.00	2.0	30.00	0.15	0.15	0.15		9.00			
	90.00	113.00	2.0	23.00	0.15	0.15	0.15		6.90			
	113.00	126.00	2.0	13.00	0.15	0.15	0.15		3.90			
	126.00	140.00	2.0	14.00	0.15	0.15	0.15		4.20			
	140.00	170.00	2.0	30.00	0.15	0.15	0.15		9.00			
	170.00	200.00	2.0	30.00	0.15	0.15	0.15		9.00			
	200.00	230.00	2.0	30.00	0.15	0.15	0.15		9.00			
	230.00	260.00	2.0	30.00	0.15	0.15	0.15		9.00			
	260.00	272.00	2.0	12.00	0.15	0.15	0.15		3.60			
	272.00	290.00	2.0	18.00	0.15	0.15	0.15		5.40			

C&FC 20/6/2024

C&FC 20/6/2024

SLNO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS	RATE	AMOUNT
	Land Mark			(m)	(m)	(m)	(m)	(m)				
	290.00	320.00	2.0	30.00	0.15	0.15	0.15		9.00			
	320.00	350.00	2.0	30.00	0.15	0.15	0.15		9.00			
	350.00	380.00	2.0	30.00	0.15	0.15	0.15		9.00			
	380.00	410.00	2.0	30.00	0.15	0.15	0.15		9.00			
	410.00	440.00	2.0	30.00	0.15	0.15	0.15		9.00			
	440.00	470.00	2.0	30.00	0.15	0.15	0.15		9.00			
	470.00	500.00	2.0	30.00	0.15	0.15	0.15		9.00			
	500.00	530.00	2.0	30.00	0.15	0.15	0.15		9.00			
	530.00	560.00	2.0	30.00	0.15	0.15	0.15		9.00			
	560.00	590.00	2.0	30.00	0.15	0.15	0.15		9.00			
	590.00	620.00	2.0	30.00	0.15	0.15	0.15		9.00			
	620.00	650.00	2.0	30.00	0.15	0.15	0.15		9.00			
	650.00	680.00	2.0	30.00	0.15	0.15	0.15		9.00			
	680.00	710.00	2.0	30.00	0.15	0.15	0.15		9.00			
	710.00	740.00	2.0	30.00	0.15	0.15	0.15		9.00			
	740.00	770.00	2.0	30.00	0.15	0.15	0.15		9.00			
	770.00	800.00	2.0	30.00	0.15	0.15	0.15		9.00			
	800.00	830.00	2.0	30.00	0.15	0.15	0.15		9.00			
	830.00	860.00	2.0	30.00	0.15	0.15	0.15		9.00			
	860.00	898.00	2.0	38.00	0.15	0.15	0.15		11.40			
	Srirampura 60ft Road centre line											
	0.00	30.00	0.5	30.00	0.10	0.10	0.10		1.50			
	30.00	60.00	0.5	30.00	0.10	0.10	0.10		1.50			
	60.00	90.00	0.5	30.00	0.10	0.10	0.10		1.50			
	90.00	113.00	0.5	23.00	0.10	0.10	0.10		1.15			
	113.00	126.00	0.5	13.00	0.10	0.10	0.10		0.65			
	126.00	140.00	0.5	14.00	0.10	0.10	0.10		0.70			
	140.00	170.00	0.5	30.00	0.10	0.10	0.10		1.50			
	170.00	200.00	0.5	30.00	0.10	0.10	0.10		1.50			
	200.00	230.00	0.5	30.00	0.10	0.10	0.10		1.50			
	230.00	260.00	0.5	30.00	0.10	0.10	0.10		1.50			
	260.00	272.00	0.5	12.00	0.10	0.10	0.10		0.60			
	272.00	290.00	0.5	18.00	0.10	0.10	0.10		0.90			
	290.00	320.00	0.5	30.00	0.10	0.10	0.10		1.50			
	320.00	350.00	0.5	30.00	0.10	0.10	0.10		1.50			
	350.00	380.00	0.5	30.00	0.10	0.10	0.10		1.50			
	380.00	410.00	0.5	30.00	0.10	0.10	0.10		1.50			
	410.00	440.00	0.5	30.00	0.10	0.10	0.10		1.50			
	440.00	470.00	0.5	30.00	0.10	0.10	0.10		1.50			
	470.00	500.00	0.5	30.00	0.10	0.10	0.10		1.50			
	500.00	530.00	0.5	30.00	0.10	0.10	0.10		1.50			
	530.00	560.00	0.5	30.00	0.10	0.10	0.10		1.50			
	560.00	590.00	0.5	30.00	0.10	0.10	0.10		1.50			
	590.00	620.00	0.5	30.00	0.10	0.10	0.10		1.50			
	620.00	650.00	0.5	30.00	0.10	0.10	0.10		1.50			
	650.00	680.00	0.5	30.00	0.10	0.10	0.10		1.50			
	680.00	710.00	0.5	30.00	0.10	0.10	0.10		1.50			
	710.00	740.00	0.5	30.00	0.10	0.10	0.10		1.50			

214.25

C/F C/F 23/6/2024

24/6/2024

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS	RATE	AMOUNT
	740.00	770.00	0.5	30.00	0.10	0.10	0.10		1.50			
	770.00	800.00	0.5	30.00	0.10	0.10	0.10		1.50			
	800.00	830.00	0.5	30.00	0.10	0.10	0.10		1.50			
	830.00	860.00	0.5	30.00	0.10	0.10	0.10		1.50			
	860.00	898.00	0.5	38.00	0.10	0.10	0.10		1.90			
	cross road 1 MCECHS Layout											
	0.00	30.00	2	30.00	0.15	0.15	0.15		9.00			
	30.00	60.00	2	30.00	0.15	0.15	0.15		9.00			
	60.00	68.00	2	8.00	0.15	0.15	0.15		2.40			
	cross road 2 MCECHS Layout											
	0.00	30.00	2	30.00	0.10	0.10	0.10		6.00			
	30.00	60.00	2	30.00	0.10	0.10	0.10		6.00			
	60.00	90.00	2	30.00	0.10	0.10	0.10		6.00			
	90.00	110.00	2	20.00	0.10	0.10	0.10		4.00			
	9th cross road MCECHS Layout (Right side)											
	0.00	30.00	2	30.00	0.10	0.10	0.10		6.00			
	30.00	60.00	2	30.00	0.10	0.10	0.10		6.00			
	60.00	89.40	2	29.40	0.10	0.10	0.10		5.88			
	9th cross road MCECHS Layout (Left side)											
	0.00	30.00	2	30.00	0.10	0.10	0.10		6.00			
	30.00	60.00	2	30.00	0.10	0.10	0.10		6.00			
	60.00	90.00	2	30.00	0.10	0.10	0.10		6.00			
	90.00	102.00	2	12.00	0.10	0.10	0.10		2.40			
	Babanagar 2nd cross road											
	0.00	30.00	2	30.00	0.10	0.10	0.10		6.00			
	30.00	60.00	2	30.00	0.10	0.10	0.10		6.00			
	60.00	73.00	2	13.00	0.10	0.10	0.10		2.60			
	Babanagar 3rd cross road											
	0.00	30.00	2	30.00	0.10	0.10	0.10		6.00			
	30.00	36.30	2	6.30	0.10	0.10	0.10		1.26			
	Babanagar 2nd main road											
	0.00	30.00	2	30.00	0.10	0.10	0.10		6.00			
	30.00	60.00	2	30.00	0.10	0.10	0.10		6.00			
	60.00	67.90	2	7.90	0.10	0.10	0.10		1.58			
	67.90	74.90	2	7.00								
	74.90	104.90	2	30.00	0.10	0.10	0.10		6.00			
	104.90	134.90	2	30.00	0.10	0.10	0.10		6.00			
	134.90	163.80	2	28.90	0.10	0.10	0.10		5.78			
	Babanagar 3rd main road											
	0.00	30.00	2	30.00	0.10	0.10	0.10		6.00			
	30.00	60.00	2	30.00	0.10	0.10	0.10		6.00			
	60.00	87.60	2	27.60	0.10	0.10	0.10		5.52			
	87.60	96.60	2	9.00								
	96.60	126.60	2	30.00	0.10	0.10	0.10		6.00			
	126.60	156.60	2	30.00	0.10	0.10	0.10		6.00			
	156.60	164.30	2	7.70	0.10	0.10	0.10		1.54			
	Babanagar 4th main road											

C&FC 27/6/2021

27/6/21

C&FC 28/6/2021

28/6/21

177.36

SLNO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS	RATE	AMOUNT
	Land Mark			(m)	(m)	(m)	(m)	(m)				
	0.00	30.00	2	30.00	0.10	0.10	0.10		6.00			
	30.00	60.00	2	30.00	0.10	0.10	0.10		6.00			
	60.00	67.30	2	7.30	0.10	0.10	0.10		1.46			
	67.30	73.30	2									
	73.30	103.30	2	30.00	0.10	0.10	0.10		6.00			
	103.30	133.30	2	30.00	0.10	0.10	0.10		6.00			
	133.30	161.60	2	28.30	0.10	0.10	0.10		5.66			
	MCECHS LAYOUT 21st cross											
	0.00	30.00	2	30.00	0.10	0.10	0.10		6.00			
	30.00	60.00	2	30.00	0.10	0.10	0.10		6.00			
	60.00	90.00	2	30.00	0.10	0.10	0.10		6.00			
	90.00	120.00	2	30.00	0.10	0.10	0.10		6.00			
	120.00	121.00	2	1.00	0.10	0.10	0.10		0.20			
	MCECHS LAYOUT 21st cross to 25th cross connected											
	0.00	30.00	2	30.00	0.10	0.10	0.10		6.00			
	30.00	60.00	2	30.00	0.10	0.10	0.10		6.00			
	60.00	67.00	2	7.00	0.10	0.10	0.10		1.40			
	MCECHS LAYOUT 20th cross road											
	0.00	30.00	2	30.00	0.10	0.10	0.10		6.00			
	30.00	60.00	2	30.00	0.10	0.10	0.10		6.00			
	60.00	90.00	2	30.00	0.10	0.10	0.10		6.00			
	90.00	120.00	2	30.00	0.10	0.10	0.10		6.00			
	120.00	139.10	2	19.10	0.10	0.10	0.10		3.82			
	Chamudeshwari layout 1st main											
	0.00	30.00	2	30.00	0.10	0.10	0.10		6.00			
	30.00	60.00	2	30.00	0.10	0.10	0.10		6.00			
	60.00	90.00	2	30.00	0.10	0.10	0.10		6.00			
	90.00	120.00	2	30.00	0.10	0.10	0.10		6.00			
	120.00	133.50	2	13.50	0.10	0.10	0.10		2.70			
	Chamudeshwari layout 2nd main											
	0.00	30.00	2	30.00	0.10	0.10	0.10		6.00			
	30.00	60.00	2	30.00	0.10	0.10	0.10		6.00			
	60.00	90.00	2	30.00	0.10	0.10	0.10		6.00			
	90.00	120.00	2	30.00	0.10	0.10	0.10		6.00			
	120.00	134.00	2	14.00	0.10	0.10	0.10		2.80			
	Chamudeshwari layout 2nd to 3rd main connected											
	0.00	26.00	2	26.00	0.10	0.10	0.10		5.20			
	Cross road											
	0.00	30.00	2	30.00	0.10	0.10	0.10		6.00			
	30.00	60.00	2	30.00	0.10	0.10	0.10		6.00			
	60.00	90.00	2	30.00	0.10	0.10	0.10		6.00			
	90.00	120.00	2	30.00	0.10	0.10	0.10		6.00			
	120.00	150.00	2	30.00	0.10	0.10	0.10		6.00			
	150.00	180.00	2	30.00	0.10	0.10	0.10		6.00			
	180.00	210.00	2	30.00	0.10	0.10	0.10		6.00			
	210.00	240.00	2	30.00	0.10	0.10	0.10		6.00			
	240.00	270.00	2	30.00	0.10	0.10	0.10		6.00			

209.24

SLNO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS	RATE	AMOUNT
	Land Mark			(m)	(m)	(m)	(m)	(m)				
	270.00	285.00	2	15.00	0.10	0.10	0.10		3.00			
	Attukal layout 1st cross											
	0.00	30.00	2	30.00	0.10	0.10	0.10		6.00			
	30.00	38.35	2	8.35	0.10	0.10	0.10		1.67			
	38.35	68.35	2	30.00	0.10	0.10	0.10		6.00			
	68.35	98.35	2	30.00	0.10	0.10	0.10		6.00			
	98.35	119.20	2	20.85	0.10	0.10	0.10		4.17			
	Attukal layout 2nd cross											
	0.00	30.00	2	30.00	0.10	0.10	0.10		6.00			
	30.00	60.00	2	30.00	0.10	0.10	0.10		6.00			
	60.00	90.00	2	30.00	0.10	0.10	0.10		6.00			
	90.00	110.30	2	20.30	0.10	0.10	0.10		4.06			
	110.30	116.30	2	6.00	0.10	0.10	0.10		1.20			
	116.30	146.30	2	30.00	0.10	0.10	0.10		6.00			
	146.30	155.60	2	9.30	0.10	0.10	0.10		1.86			
	155.60	163.50	2	7.90	0.10	0.10	0.10		1.58			
	Total Qty Work Done								**814.40**	**Sqm**		
	Qty Payable in this bill								**814.40**	**Sqm**		
	Qty Paid in 1st Bill								**0.00**	**Sqm**		
	Total Qty								**814.40**	**Sqm**		
	Qty Payable in 2nd Bill								**814.40**	**Sqm**	**477.00**	**388468.80**

Contractor Representative

Asst Engineer

NEMZEN CONSULTANT Bangalore

Consultant Representative

Asst.Executive Engineer

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ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

BRUHAT BANGALORE MAHANAGARA PALIKE												
Name of Work: Improvements to Roads and Drains at Bhagath Enclave, Kalidasa layout, Chamundeshwari nagara, Babanagar, Srirampura, MCECHS Layout,												
Measurement Sheet												
Second and Final Bill												
Item No:	**E1**											
Item Name:	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete.-do 10 cm Thick & KSRB 5-8.2 :Providing two line dressing to granite stone slab/granite stone masonary as per specifications KBS 5.1.13											
Premeasurement recorded on:												
SLNO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS	RATE	AMOUNT
	Land Mark			(m)	(m)	(m)	(m)	(m)				
1	**Punyakoti milk dairy Rd (RHS from end)**											
	174.00	180.30	1	6.30	0.75				4.73			
	180.30	187.30	1	7.0	0.90				6.30			
	187.30	196.00	1	8.70	0.75				6.53			
2	**Punyakoti milk dairy Rd (LHS from end)**											
	57.10	87.10	1	30.00	0.90				27.00			
	87.10	93.90	1	6.8	0.90				6.12			
								Total Qty Work Done	**50.67**	**Sqm**		
								Qty Payable in this bill	**50.67**	**Sqm**		
								Qty Paid in 1st Bill	**0.00**	**Sqm**		
								Total Qty	**50.67**	**Sqm**		
								Qty Payable in 2nd Bill	**50.67**	**Sqm**	**2677.97**	**135692.74**

Contractor Representative

Asst Engineer

NEMZEN CONSULTANTS Bangalore

Consultant Representative

Asst.Executive Engineer

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ಬ್ಯಾಟರಾಯನಪುರ ಕಾಮಗಾರಿ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಬೆಂಗಳೂರು-24

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to Roads and Drains at Bhagath Enclave, Kalidasa layout, Chamundeshwari nagara, Babanagar, Srirampura, MCECHS Layout, Palanahalli and Surrounding areas in

Measurement Sheet

Second and Final Bill

Item No: **E2**

Item Name: Providing and Fixing RCC pre cast covering Slab of 15cm , inclunding cost of reinforcement as per design and drawing material cost, transportation , hire charges of machinary , machine cutting the vertical face to get plain even surface etc.Complete with all leads and lifts conveynce charges , labour charges inclusive of cost of all materials.

Premeasurement recorded on:

SLNO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS	RATE	AMOUNT
	Land Mark			(m)	(m)	(m)	(m)	(m)				
2	**Punyakoti milk dairy Rd (RHS from end)**											
	79.40	109.40	1	30.00	0.90				27.00			
	109.40	118.30	1	8.90	0.90				8.01			
								Total Qty Work Done	**35.01**	**Sqm**		
								Qty Payable in this bill	**35.01**	**Sqm**		
								Qty Paid in 1st Bill	**0.00**	**Sqm**		
								Total Qty	**35.01**	**Sqm**		91608.92
								Qty Payable in 2nd Bill	**35.01**	**Sqm**	2616.65	91609.01
											Net amount	**30297326.50**
											12% GST	**3635679.18**
											Grand total	**33933005.68**

Contractor Representative

Consultant Representative

NEWZEN CONSULTANTS Bangalore

Asst Engineer

Asst.Executive Engineer

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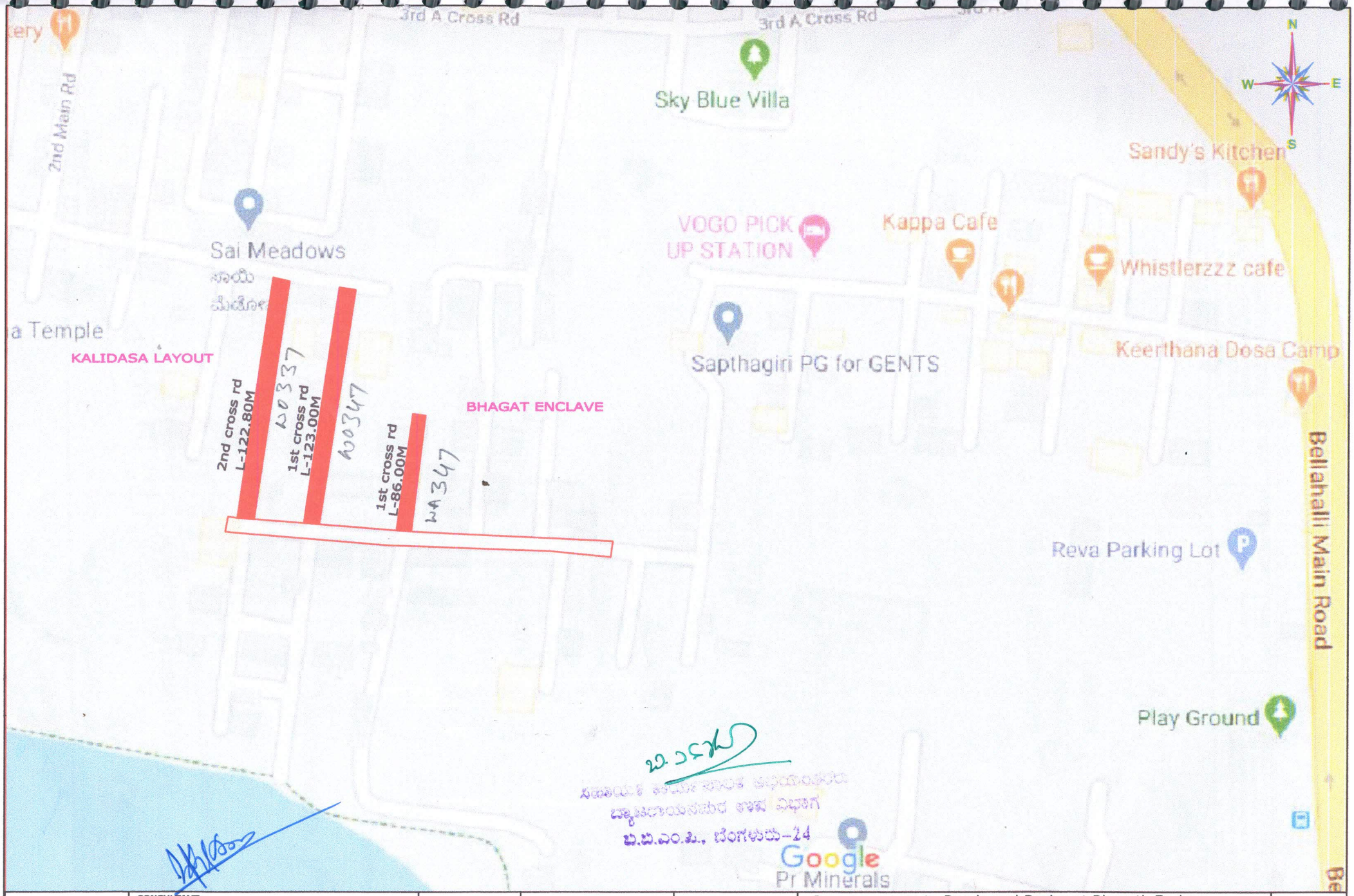
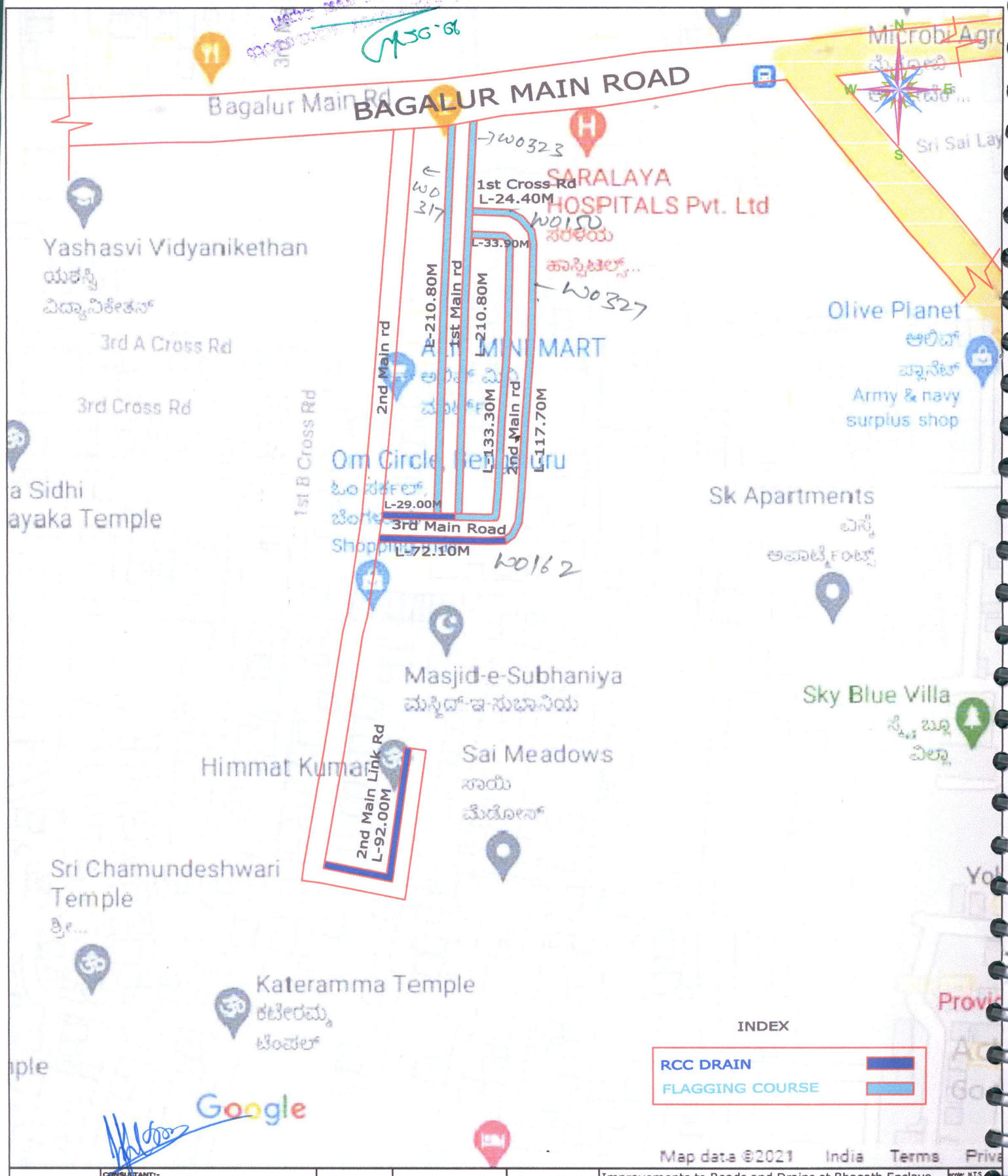
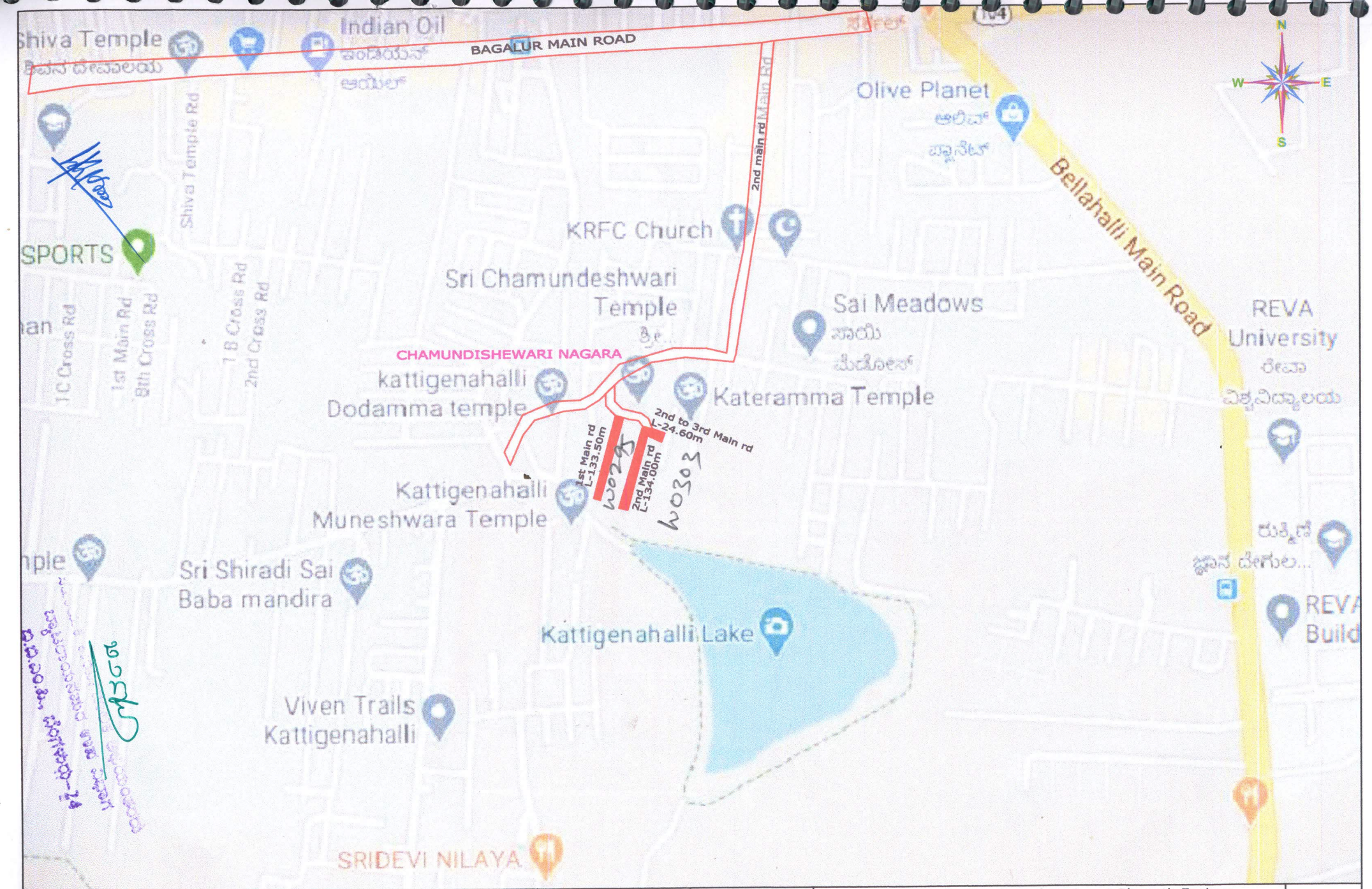


CLIENT: BRUHAT BANGALORE MAHANAGARA PALIKE	CONSULTANT:- NEWZEN CONSULTANTS BANGALORE #13,10,MAIN 2nd CROSS,JNANAJYOTHI NAGAR, JNANA BHARATHI, BANGALORE-560 056 PH-8792620231,E-mail;kumar.vinay631@gmail.com	Assitante Engineer	Assitante Executive Engineer	Executive Engineer	Improvements to Roads and Drains at Bhagath Enclave, Kalidasa layout, Chamundeshwari nagara, Babanagara, Srirampura, MCECHS Layout,Palanahalli and Surrounding areas in Ward No-05	Date Dwg no: Rev; R0

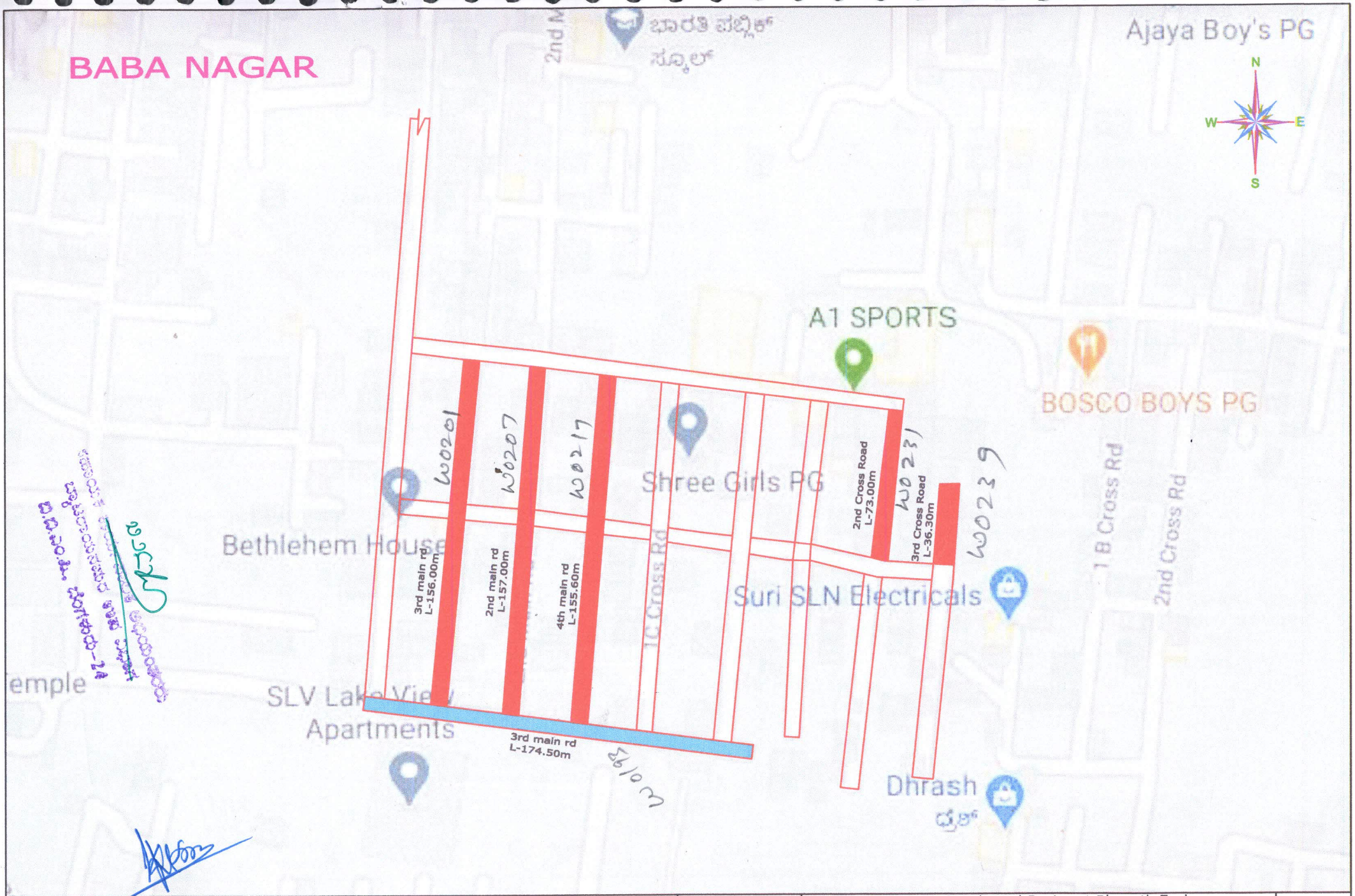


BRUHAT BANGALORE MAHANAGARA PALIKE	CONSULTANT:- NEWZEN CONSULTANTS BANGALORE #13,10,MAIN 2nd CROSS,JNANAJYOTHI NAGAR, JNANA BHARATHI, BANGALORE-560 056 PH-8792620231,E-mail;kumar.vinay631@gmail.com	Assistant Engineer	Assistant Executive Engineer	Executive Engineer	Improvements to Roads and Drains at Bhagath Enclave, Kalidasa layout, Chamundeshwari nagara, Babanagara, Srirampura, MCECHS Layout,Palanahalli and Surrounding areas in Ward No-05	Scale; N.T.S Date Dwg no: Rev; R0

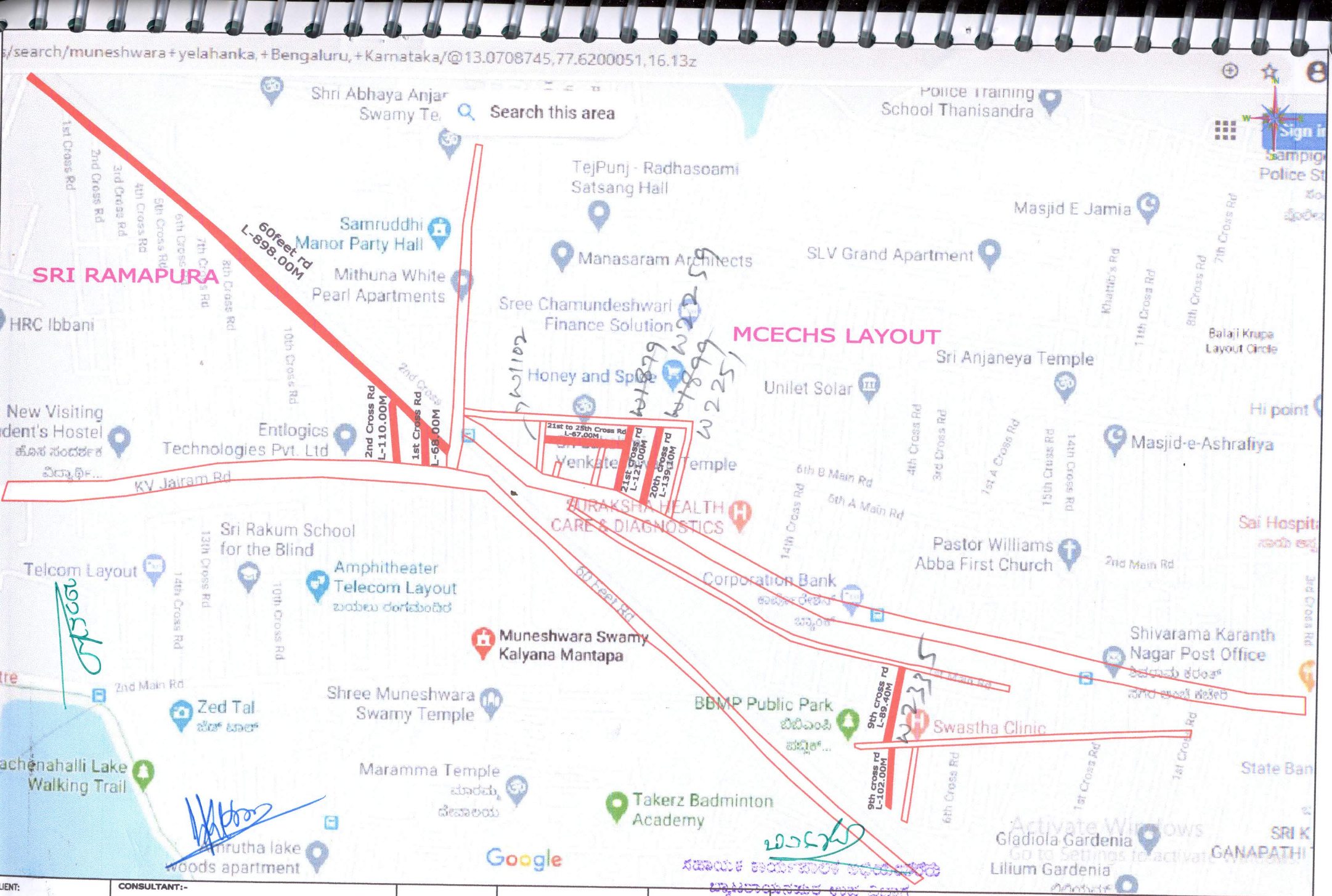


CLIENT: BRUHAT BANGALORE MAHANAGARA PALIKE	CONSULTANT:- NEWZEN CONSULTANTS BANGALORE #13,10,MAIN 2nd CROSS,JNANAJYOTHI NAGAR, JNANA BHARATHI, BANGALORE-560 056 PH-8792620231,E-mail;kumar.vinay631@gmail.com	Assitante Engineer	Assitante Executive Engineer	Executive Engineer	Improvements to Roads and Drains at Bhagath Enclave, Kalidasa layout, Chamundeshwari nagara, Babanagara, Srirampura, MCECHS Layout,Palanahalli and Surrounding areas in Ward No-05 Dwg no: Date Rev; R0

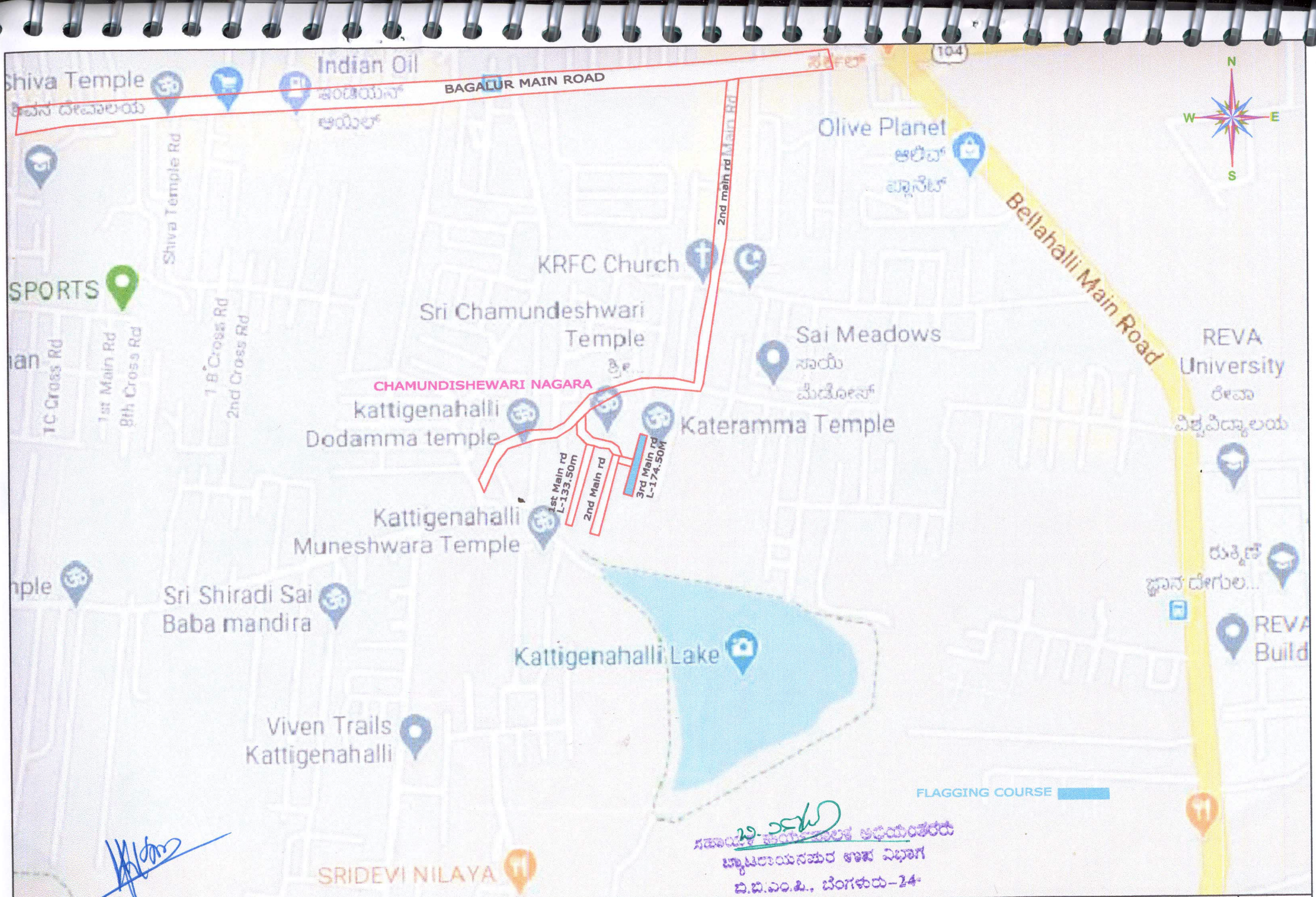
BABA NAGAR



CLIENT: BRUHAT BANGALORE MAHANAGARA PALIKE	CONSULTANT:- NEWZEN CONSULTANTS BANGALORE #13,10,MAIN 2nd CROSS,JNANAJYOTHI NAGAR, JNANA BHARATHI, BANGALORE-560 056 PH-8792620231,E-mail;kumar.vinay631@gmail.com	Assitante Engineer	Assitante Executive Engineer	Executive Engineer	Improvements to Roads and Drains at Bhagath Enclave, Kalidasa layout, Chamundeshwari nagara, Babanagara, Srirampura, MCECHS Layout,Palanahalli and Surrounding areas in Ward No-05	Date Dwg no: Rev; R0



CLIENT:	CONSULTANT:-				
RUHAT BANGALORE AHANAGARA PALIKE	NEWZEN CONSULTANTS BANGALORE #13,10,MAIN 2nd CROSS,JNANAJYOTHI NAGAR, JNANA BHARATHI, BANGALORE-560 056 PH-8792620231,E-mail;kumar.vinay631@gmail.com	Assitante Engineer	Assitante Executive Engineer	Executive Engineer	Improvements to Roads and Drains at Bhagath Enclave, Kalidasa layout, Chamundeshwari nagara, Babanagara, Srirampura, MCECHS Layout,Palanahalli and Surrounding areas in Ward No-05 Dwg no: Rev; R0 Date



CLIENT: BRUHAT BANGALORE MAHANAGARA PALIKE	CONSULTANT:- NEWZEN CONSULTANTS BANGALORE #13,10,MAIN 2nd CROSS,JNANAJYOTHI NAGAR, JNANA BHARATHI, BANGALORE-560 056 PH-8792620231,E-mail;kumar.vinay631@gmail.com	Assitante Engineer	Assitante Executive Engineer	Executive Engineer	Improvements to Roads and Drains at Bhagath Enclave, Kalidasa layout, Chamundeshwari nagara, Babanagara, Srirampura, MCECHS Layout,Palanahalli and Surrounding areas in Ward No-05	Date Dwg no: Rev; R0

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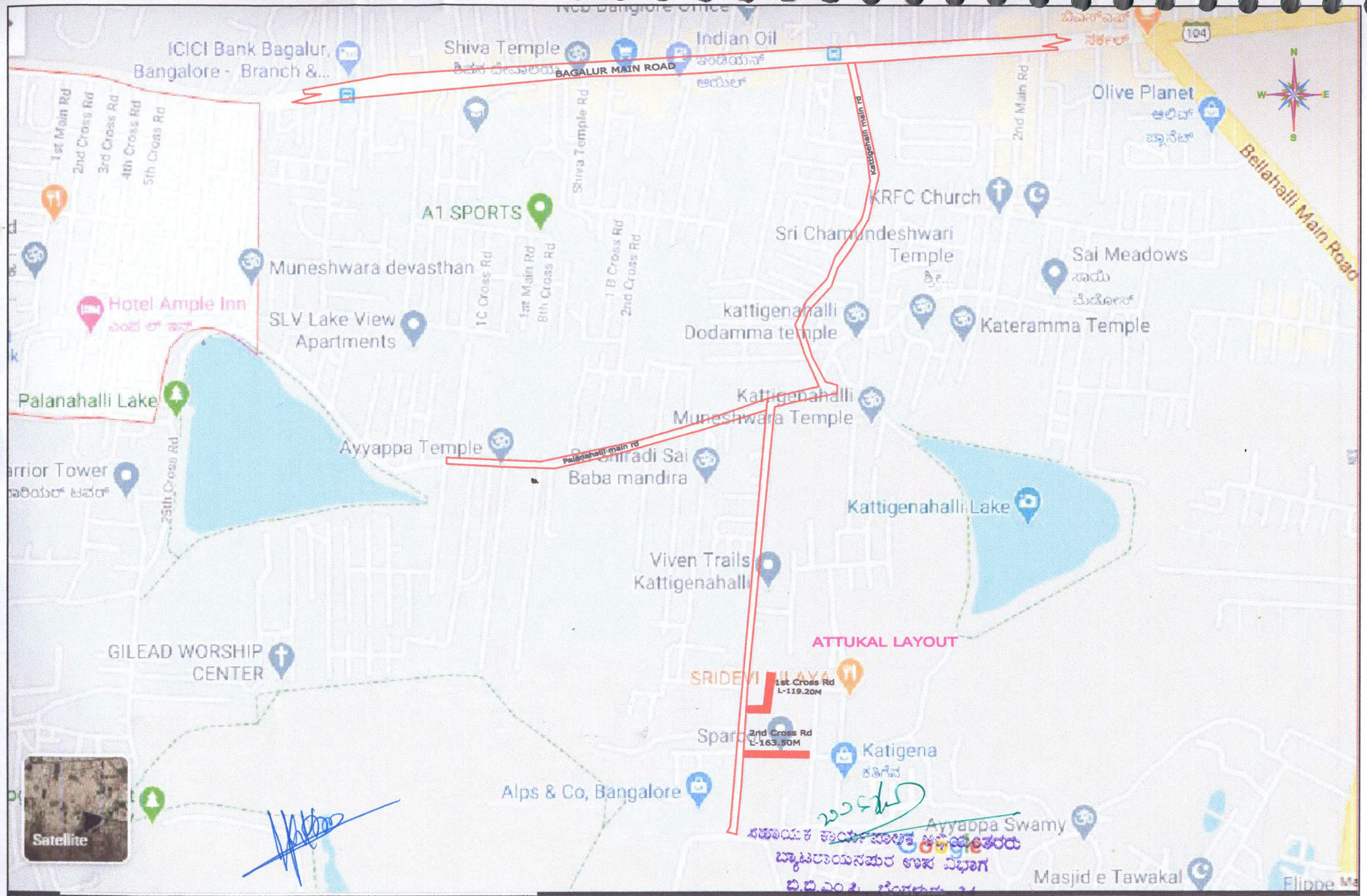

CLIENT: BRUHAT BANGALORE MAHANAGARA PALIKE	CONSULTANT:- **NEWZEN CONSULTANTS BANGALORE** #13,10,MAIN 2nd CROSS,JNANAJYOTHI NAGAR, JNANA BHARATHI, BANGALORE-560 056 PH-8792620231,E-mail;kumar.vinay631@gmail.com	Assitante Engineer	Assitante Executive Engineer	Executive Engineer	Improvements to Roads and Drains at Bhagath Enclave, Kalidasa layout, Chamundeshwari nagara, Babanagara, Srirampura, MCECHS Layout,Palanahalli and Surrounding areas in Ward No-05	Date Dwg no: Rev; R0